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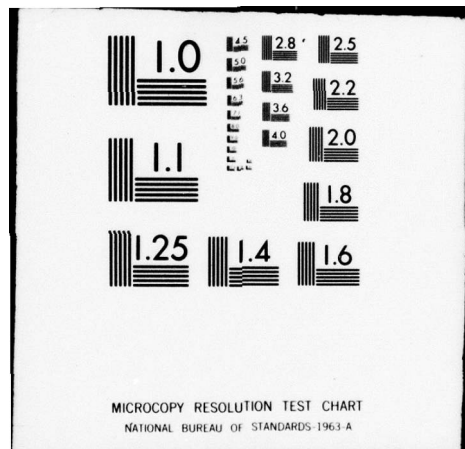
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/6 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS). IMPERIA--ETC (1)
JUL 78

F/G 4/2

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| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Imperial Beach, CA. | | | | | | | | | | | | |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure | | | | | | | | | | | | |

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

| | | | | | | |
|------------------------|----------------------------|----------|-----------|---------------------|-----------|------------|
| STATION NO. ON SUMMARY | STATION NAME | LATITUDE | LONGITUDE | STATION ELEV. (FT.) | CALL SIGN | WMO NUMBER |
| 93115 | Imperial Beach, California | 32°34'N | 117°07'W | 23 | KNRS | |

STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF BARO. LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY |
|--------------------------|--|-----------------|------------------|------|----------|-----------|---------------------|----------------|-------------|
| | | | FROM | TO | | | FEET | TYPE BAROMETER | |
| 1. | Weather service office | Navy | 1951 | 1968 | 32°34'N | 117°07'W | 28 | Aneroid | Var |
| 2. | Weather office | " | 1968 | | " | " | | " | " |
| 1a. | Weather service office | " | 1955 | 1956 | " | " | 29 | Mercurial | " |
| 2a. | " " " | " | 1956 | 1963 | " | " | 27 | " | " |
| 3a. | Inside bulkhead of ops bldg | " | 1963 | 1968 | " | " | 27 | " | " |
| 4a. | West wall in weather office | " | 1968 | 1968 | " | " | 21 | " | " |
| 5a. | *New ML-512/GM installed west wall in weather office 12/69 | " | 1969 | 1976 | " | " | 21 | " | " |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------|----------------|---|---------------------|------------------|-----------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1. | | NOTE: Wind vane oriented 30° west of true North prior to 12/20/55. Mounted on roof of operation control tower | AN/UMQ-5B | | 50' MSL | 1. Barograph (open scale) 2. Semi-auto met sta (AN/GMQ-14B) 3. Cloud height set (AN/GMQ-13) |
| 2. | 1955 | Top control tower (new transmitter) | AN/UMQ-5B | RD-108B | 50' MSL | |
| 3. | 1962 | Adjacent to runway 09R (2200 WSW of operations building) | AN/UMQ-5C | " | 31' MSL | |
| 4. | 1966 | Same | " | " | 23' MSL | |
| 5. | 1968 | *Adjacent to runway 09R (4280' WSW of ops bldg) (new ops bldg 8/26/68) | " | " | 23' MSL | |
| 6. | 1968 | Adjacent to runway 09R, 4280' WSW of ops bldg | " | " | 9' | |

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NWSD, Federal Building
Asheville, N.C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $\frac{5}{8}$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | 01 | | 25.0 | | | | 25.0 | 25.0 | 25.0 | | | 25.0 | 4 |
| | 04 | | | | | | | | 20.0 | | | 20.0 | 5 |
| | 07 | | 2.0 | | | | 2.0 | 8.6 | 4.6 | | | 11.2 | 152 |
| | 10 | | 2.6 | | | | 2.6 | 4.5 | 9.7 | | 1.9 | 15.5 | 155 |
| | 13 | | 3.9 | | | | 3.9 | 2.6 | 11.0 | | .6 | 12.9 | 155 |
| | 16 | | 3.3 | | | | 3.3 | 2.0 | 9.9 | | | 11.2 | 152 |
| | 19 | | 5.2 | | | | 5.2 | 6.0 | 7.8 | | | 12.9 | 116 |
| | 22 | | | | | | | 6.7 | 40.0 | | | 40.0 | 15 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 5.3 | | | | 5.3 | 6.9 | 16.0 | | .3 | 18.6 | 754 |

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WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| FEB | 01 | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | 1 |
| | 07 | | 5.9 | | | | 5.9 | 19.1 | 8.8 | | | 21.3 | 136 |
| | 10 | .7 | 5.0 | | | .7 | 5.0 | 9.2 | 19.1 | | .7 | 23.4 | 141 |
| | 13 | | 4.3 | | | | 4.3 | 7.1 | 11.3 | | | 13.5 | 141 |
| | 16 | | 2.9 | | | | 2.9 | 5.9 | 13.2 | | | 16.2 | 136 |
| | 19 | | 2.8 | | | | 2.8 | 8.4 | 10.3 | | | 14.0 | 107 |
| | 22 | | | | | | | | | | | | 10 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 3.0 | | | .1 | 3.0 | 7.1 | 9.0 | | .1 | 12.6 | 672 |

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5701 WEATHER CONDITIONS JAN 68

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WEATHER CONDITIONS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAR | 01 | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | |
| | 07 | | 6.6 | | | | 6.6 | 11.9 | 12.6 | | | 19.2 | 151 |
| | 10 | | 9.0 | | | | 9.0 | 5.8 | 10.3 | | | 13.5 | 155 |
| | 13 | .6 | 7.7 | | | | 7.7 | 3.9 | 9.0 | | | 10.3 | 155 |
| | 16 | | 6.2 | | | | 6.2 | 4.1 | 2.7 | | | 5.5 | 146 |
| | 19 | .8 | 5.7 | | | | 5.7 | 1.6 | 4.9 | | | 5.7 | 123 |
| | 22 | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 5.9 | | | | 5.9 | 4.6 | 6.6 | | | 9.0 | 737 |

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5701 WEATHER CONDITIONS

JAN 78

101

101

WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| APR | 01 | | | | | | | | | | | | 3 |
| | 04 | | | | | | | | | | | | 1 |
| | 07 | | 3.4 | | | | 3.4 | 13.6 | 17.0 | | | 25.9 | 147 |
| | 10 | | .7 | | | | .7 | 4.0 | 15.4 | | | 17.4 | 149 |
| | 13 | | 2.7 | | | | 2.7 | .7 | 12.1 | | | 12.1 | 149 |
| | 16 | | 2.9 | | | | 2.9 | 1.4 | 10.7 | | | 10.7 | 140 |
| | 19 | | 1.6 | | | | 1.6 | 2.4 | 10.3 | | | 11.1 | 126 |
| | 22 | | | | | | | | 10.0 | | | 10.0 | 20 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 1.4 | | | | 1.4 | 2.8 | 9.4 | | | 10.9 | 735 |

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5701 WEATHER CONDITIONS JAN 58

WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 01 | | | | | | | | 50.0 | | | 50.0 | 2 |
| | 04 | | 50.0 | | | | 50.0 | 50.0 | | | | 50.0 | 2 |
| | 07 | | 5.8 | | | | 5.8 | 22.1 | 29.2 | | | 39.0 | 154 |
| | 10 | | 3.2 | | | | 3.2 | 11.7 | 27.3 | | | 30.5 | 154 |
| | 13 | | 1.9 | | | | 1.9 | 1.9 | 18.8 | | | 18.8 | 154 |
| | 16 | | 1.6 | | | | 1.6 | 4.7 | 15.7 | | | 15.7 | 127 |
| | 19 | | .9 | | | | .9 | 6.9 | 14.7 | | | 15.5 | 116 |
| | 22 | | | | | | | 15.0 | 20.0 | | | 25.0 | 20 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 7.9 | | | | 7.9 | 14.0 | 22.0 | | | 30.6 | 729 |

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5701 WEATHER CONDITIONS JAN 78

WEATHER CONDITIONS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 73-77 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|-------------------|
| JUN | 01 | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | |
| | 07 | | 4.7 | | | | 4.7 | 33.3 | 44.0 | | | 61.3 | 150 |
| | 10 | | .7 | | | | .7 | 11.3 | 37.3 | | | 44.0 | 150 |
| | 13 | | .7 | | | | .7 | 4.0 | 28.7 | | | 29.3 | 150 |
| | 16 | | | | | | | 2.3 | 22.7 | | | 23.4 | 128 |
| | 19 | | | | | | | 6.8 | 17.8 | | | 22.9 | 118 |
| | 22 | | | | | | | 13.5 | 32.4 | | | 37.8 | 37 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 1.0 | | | | 1.0 | 11.9 | 30.5 | | | 36.5 | 733 |

WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL | 01 | | | | | | | | | | | | 1 |
| | 04 | | | | | | | | | | | | |
| | 07 | | 1.9 | | | | 1.9 | 33.8 | 51.9 | | | 62.3 | 154 |
| | 10 | | 2.6 | | | | 2.6 | 13.0 | 42.2 | | | 46.1 | 154 |
| | 13 | | .6 | | | | .6 | 3.9 | 25.3 | | | 25.3 | 154 |
| | 16 | | .8 | | | | .8 | 1.7 | 14.4 | | | 14.4 | 118 |
| | 19 | | | | | | | 3.6 | 16.2 | | | 17.1 | 111 |
| | 22 | | | | | | | 18.4 | 26.3 | | | 36.8 | 38 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | .8 | | | | .8 | 10.6 | 25.2 | | | 28.9 | 730 |

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5701 WEATHER CONDITIONS JAN 58

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WEATHER CONDITIONS

93115 STATION IMPERIAL BEACH, CALIFORNIA 73-77 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|-------|-------------------|--------------|------------------|------------------------------|-------------------|
| AUG | 01 | | | | | | | 100.0 | 100.0 | | | 100.0 | 1 |
| | 04 | | | | | | | 100.0 | | | | 100.0 | 1 |
| | 07 | | 2.6 | | | | 2.6 | 32.9 | 51.6 | | | 63.2 | 155 |
| | 10 | | | | | | | 10.3 | 51.0 | | | 52.3 | 155 |
| | 13 | | 2.6 | | | | 2.6 | 2.6 | 34.2 | | | 34.2 | 155 |
| | 16 | | 1.5 | | | | 1.5 | .8 | 19.5 | | | 19.5 | 133 |
| | 19 | | 1.7 | | | | 1.7 | .8 | 22.0 | | | 22.0 | 118 |
| | 22 | | 3.0 | | | | 3.0 | 18.2 | 15.2 | | | 24.2 | 33 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 1.4 | | | | 1.4 | 33.2 | 36.7 | | | 51.9 | 751 |

5701 WEATHER CONDITIONS JAN 8

WEATHER CONDITIONS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP | 01 | | | | | | | 100.0 | 100.0 | | | 100.0 | 1 |
| | 04 | | | | | | | 50.0 | | | | 50.0 | 2 |
| | 07 | | 3.4 | | | | 3.4 | 23.1 | 56.5 | | | 63.3 | 147 |
| | 10 | | 1.4 | | | | 1.4 | 8.2 | 54.4 | | | 55.1 | 147 |
| | 13 | .7 | 2.0 | | | | 2.0 | 5.4 | 34.7 | | | 36.1 | 147 |
| | 16 | .8 | .8 | | | | .8 | 2.5 | 24.0 | | | 24.8 | 121 |
| | 19 | | .9 | | | | .9 | 1.8 | 26.8 | | | 26.8 | 112 |
| | 22 | | | | | | | 7.1 | 21.4 | | | 25.0 | 28 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 1.1 | | | | 1.1 | 24.8 | 39.7 | | | 47.6 | 703 |

5701 WEATHER CONDITIONS JAN 78

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0001

NAVWEASERVCOM

WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| OCT | 01 | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | |
| | 07 | | 1.3 | | | | 1.3 | 26.3 | 48.7 | | | 57.9 | 152 |
| | 10 | | 1.3 | | | | 1.3 | 9.2 | 49.7 | | | 52.3 | 153 |
| | 13 | | 1.3 | | | | 1.3 | 6.5 | 37.9 | | | 39.2 | 153 |
| | 16 | .8 | 3.2 | | | | 3.2 | 4.0 | 32.8 | | | 34.4 | 125 |
| | 19 | .9 | .9 | | | | .9 | 8.2 | 26.4 | | | 28.2 | 110 |
| | 22 | 8.0 | 8.0 | | | | 8.0 | 16.0 | 40.0 | | | 40.0 | 25 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.6 | 2.7 | | | | 2.7 | 11.7 | 39.3 | | | 42.0 | 718 |

NAVWEASERVCOM

5701 WEATHER CONDITIONS JAN 8

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1277 2076 54321

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 78

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| NOV | 01 | | | | | | | | | | | | 5 |
| | 04 | | | | | | | | | | | | 6 |
| | 07 | | 2.8 | | | | 2.8 | 17.2 | 17.9 | | | 27.6 | 145 |
| | 10 | | 1.3 | | | | 1.3 | 12.1 | 19.5 | | | 24.8 | 149 |
| | 13 | | 2.0 | | | | 2.0 | 6.0 | 20.8 | | | 21.5 | 149 |
| | 16 | | 1.3 | | | | 1.3 | 4.7 | 19.5 | | | 20.1 | 149 |
| | 19 | | 1.8 | | | | 1.8 | 8.9 | 16.1 | | | 21.4 | 112 |
| | 22 | | | | | | | 10.8 | 21.6 | | | 27.0 | 37 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 1.2 | | | | 1.2 | 7.5 | 14.4 | | | 17.8 | 752 |

NAVWEASERVCOM

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WEATHER CONDITIONS

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| DEC | 01 | | | | | | | 50.0 | | | | 50.0 | 2 |
| | 04 | | | | | | | | | | | | 1 |
| | 07 | | 7.4 | | | | 7.4 | 16.2 | 14.9 | | .7 | 28.4 | 148 |
| | 10 | | 2.0 | | | | 2.0 | 8.6 | 19.9 | | .7 | 26.5 | 151 |
| | 13 | | 1.3 | | | | 1.3 | 4.6 | 17.2 | | .7 | 19.2 | 151 |
| | 16 | | 2.6 | | | | 2.6 | 5.3 | 17.2 | | .7 | 20.5 | 151 |
| | 19 | | | | | | | 14.5 | 18.2 | | .9 | 25.5 | 110 |
| | 22 | | | | | | | 25.0 | 33.3 | | | 41.7 | 24 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 1.7 | | | | 1.7 | 15.5 | 15.1 | | .5 | 26.5 | 738 |

NAVWEASERVCOM

5701 WEATHER CONDITIONS JAN

WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | ALL | | 5.3 | | | | 5.3 | 6.9 | 16.0 | | .3 | 18.6 | 754 |
| FEB | | .1 | 3.0 | | | .1 | 3.0 | 7.1 | 9.0 | | .1 | 12.6 | 672 |
| MAR | | .2 | 5.9 | | | | 5.9 | 4.6 | 6.6 | | | 9.0 | 737 |
| APR | | | 1.4 | | | | 1.4 | 2.8 | 9.4 | | | 10.9 | 735 |
| MAY | | | 7.9 | | | | 7.9 | 14.0 | 22.0 | | | 30.6 | 729 |
| JUN | | | 1.0 | | | | 1.0 | 11.9 | 30.5 | | | 36.5 | 733 |
| JUL | | | .8 | | | | .8 | 10.6 | 25.2 | | | 28.9 | 730 |
| AUG | | | 1.4 | | | | 1.4 | 33.2 | 36.7 | | | 51.9 | 751 |
| SEP | | .2 | 1.1 | | | | 1.1 | 24.8 | 39.7 | | | 47.6 | 705 |
| OCT | | 1.6 | 2.7 | | | | 2.7 | 11.7 | 39.3 | | | 42.0 | 718 |
| NOV | | | 1.2 | | | | 1.2 | 7.5 | 14.4 | | | 17.8 | 752 |
| DEC | | | 1.7 | | | | 1.7 | 15.5 | 15.1 | | .5 | 26.5 | 738 |
| TOTALS | | .2 | 2.8 | | | .0 | 2.8 | 12.5 | 22.0 | | .1 | 27.7 | 8754 |

NAVWEASERVCOM

5701 WEATHER CONDITIONS JAN 78

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WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

49, 55-57, 59-71, 73-74
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | DAILY | | 27.9 | | | .2 | 27.9 | 45.5 | 34.9 | | .5 | 55.7 | 433 |
| FEB | | 1.5 | 26.3 | | | .8 | 26.3 | 40.2 | 38.4 | | | 52.3 | 396 |
| MAR | | 1.2 | 26.7 | | | .2 | 26.7 | 40.1 | 30.9 | | | 44.5 | 434 |
| APR | | 1.2 | 24.5 | | | .7 | 24.5 | 38.1 | 37.1 | | | 46.0 | 420 |
| MAY | | | 20.6 | | | | 20.6 | 26.1 | 30.3 | | | 38.0 | 403 |
| JUN | | .2 | 25.5 | | | | 25.5 | 46.4 | 47.9 | | | 56.4 | 420 |
| JUL | | .7 | 9.2 | | | | 9.2 | 53.9 | 63.4 | | | 75.3 | 434 |
| AUG | | .2 | 6.9 | | | | 6.9 | 50.7 | 59.2 | | | 68.0 | 434 |
| SEP | | .5 | 12.4 | | | | 12.4 | 53.6 | 62.4 | | | 68.3 | 420 |
| OCT | | 1.2 | 15.7 | | | .2 | 15.7 | 55.1 | 57.4 | | .7 | 65.7 | 434 |
| NOV | | 1.1 | 22.9 | | | | 22.9 | 50.5 | 41.6 | | 1.4 | 59.7 | 442 |
| DEC | | .7 | 23.5 | | .2 | .2 | 23.7 | 52.1 | 37.3 | | .5 | 59.2 | 434 |
| TOTALS | | .7 | 20.2 | | .0 | .2 | 20.2 | 46.0 | 45.1 | | .3 | 57.4 | 5104 |

NAVWEASERVCOM

5701 WEATHER CONDITIONS JAN 68

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115

STATION

IMPERIAL BEACH, CALIFORNIA

STATION NAME

JAN 73 - DEC 77

YEARS

JANUARY

MONTH

ALL

HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | | | 5.0 | | | 95.0 |
| NNE | | | | | | | | | 7.4 | | 11.1 | | | 81.5 |
| NE | | | | | | | | | 5.3 | 5.3 | 10.5 | | | 78.9 |
| ENE | | 2.7 | | | | | | | 5.4 | 5.4 | 13.5 | | | 78.4 |
| E | 1.6 | 1.6 | | | | | | | .8 | 1.6 | 8.6 | | .8 | 86.7 |
| ESE | 2.3 | 2.3 | | | | | | | 2.3 | 2.3 | 7.0 | | 7.0 | 81.4 |
| SE | 11.1 | 22.2 | | | | | | | | | | | | 66.7 |
| SSE | 16.7 | | | | | | | | | | | | | 83.3 |
| S | 11.8 | 5.9 | | | | | | | 2.9 | 2.9 | 2.9 | | | 76.5 |
| SSW | | 2.9 | | | | | | | 2.9 | | 12.5 | | | 82.5 |
| SW | 2.9 | 2.9 | | | | | | | 2.9 | | 5.9 | | | 85.3 |
| WSW | | 2.4 | | | | | | | 7.3 | 2.4 | 7.3 | | | 80.5 |
| W | | 3.4 | | | | | | | 4.3 | | 15.9 | | | 78.4 |
| WNW | | | | | | | | | 2.4 | 1.2 | 10.7 | | | 86.9 |
| NW | | | | | | | | | 3.4 | | 8.6 | | | 87.9 |
| NNW | | | 4.3 | | | | | | 13.0 | 4.3 | 4.3 | | | 78.3 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 8.2 | | 9.5 | | | 90.5 |
| TOTAL | 10 | 14 | 1 | | | | | | 26 | 10 | 71 | | 4 | 631 |
| % TOTAL | 1.3 | 1.9 | .1 | | | | | | 3.4 | 1.3 | 9.4 | | .5 | 83.7 |

TOTAL NUMBER OF OBSERVATIONS 754

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115 STATION IMPERIAL BEACH, CALIFORNIA JAN 73 - DEC 77 YEARS FEBRUARY MONTH ALL HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | 5.9 | | | | | | | | | 11.8 | | | 82.4 |
| NNE | | | | | | | | | 5.6 | | 11.1 | | 5.6 | 88.9 |
| NE | | | | | | | | | 23.5 | 5.9 | | | | 70.6 |
| ENE | 2.9 | | | | | | | | 8.8 | | 8.8 | | | 82.4 |
| E | 2.4 | 1.2 | 1.2 | | | | | | 9.5 | 3.6 | 7.1 | | | 78.6 |
| ESE | | | | | | | | | 9.4 | 3.1 | 15.6 | | | 81.3 |
| SE | 12.5 | | 12.5 | | | | | | 25.0 | | 12.5 | | | 50.0 |
| SSE | | | | | | | | | 11.1 | | | | | 88.9 |
| S | 4.4 | 6.7 | | | | | | | 6.7 | | 4.4 | | | 82.2 |
| SSW | | 7.7 | | | | | | | 19.2 | | 11.5 | | | 76.9 |
| SW | | 4.2 | | | | | | | 4.2 | | 8.3 | | | 87.5 |
| WSW | 2.3 | | | | | | | | 9.3 | 4.7 | 14.0 | | | 83.7 |
| W | 1.1 | 1.1 | | | | | | | 5.4 | 1.1 | 21.5 | | | 75.3 |
| WNW | 1.2 | 1.2 | | | | | | | 4.8 | | 14.3 | | | 82.1 |
| NW | | | | | | | | | 3.6 | | 12.5 | | | 87.5 |
| NNW | 4.2 | 4.2 | | | | | 4.2 | 4.2 | 8.3 | | 20.8 | | | 66.7 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | 5.2 | 3.4 | | | | | | | 15.5 | 1.7 | 13.8 | | | 69.0 |
| TOTAL | 13 | 13 | 2 | | | | 1 | 1 | 57 | 9 | 84 | | 1 | 532 |
| % TOTAL | 1.9 | 1.9 | .3 | | | | .1 | .1 | 8.5 | 1.3 | 12.5 | | .1 | 79.2 |

TOTAL NUMBER OF OBSERVATIONS 672

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

MARCH
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " PELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 8.3 | | | | | 91.7 |
| NNE | | | | | | | | | | 25.0 | 25.0 | | | 75.0 |
| NE | | | | | | | | | | | 11.1 | | | 88.9 |
| ENE | | | | | | | | | 9.1 | | 9.1 | | | 81.8 |
| E | | | | | | | | | 7.7 | 4.6 | 15.4 | | | 78.5 |
| ESE | | | | | | | | | 11.1 | | 5.6 | | | 88.9 |
| SE | 12.5 | 12.5 | 12.5 | | | | | | 37.5 | | 12.5 | | | 37.5 |
| SSE | 7.7 | 23.1 | | | | | | | 7.7 | | 7.7 | | | 61.5 |
| S | 16.7 | 10.4 | 10.4 | | | | | | 2.1 | | 2.1 | | | 64.6 |
| SSW | 6.7 | 2.2 | 4.4 | | | | | | 4.4 | | 6.7 | | | 82.2 |
| SW | | 2.0 | 8.0 | | | | | 2.0 | 8.0 | | 8.0 | | | 78.0 |
| WSW | | 5.3 | 2.7 | | | | | | 4.0 | | 10.7 | | | 81.3 |
| W | 1.2 | 1.2 | 3.1 | | | | | .6 | 3.1 | 1.9 | 5.6 | | | 87.7 |
| WNW | | 3.9 | | | | | | | 1.9 | 1.0 | 8.7 | | | 85.4 |
| NW | | 1.5 | 1.5 | | | | | | 1.5 | | 3.0 | | | 92.4 |
| NNW | | | | | | | | | | | 9.5 | | | 90.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 7.4 | | 18.5 | | | 77.8 |
| TOTAL | 15 | 22 | 20 | | | | | 2 | 33 | 8 | 59 | | | 608 |
| % TOTAL | 2.0 | 3.0 | 2.7 | | | | | .3 | 4.3 | 1.1 | 8.0 | | | 82.5 |

TOTAL NUMBER OF OBSERVATIONS 737

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115 IMPERIAL BEACH, CALIFORNIA JAN 73 - DEC 77 APRIL ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " PELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | | | | | | 100.0 |
| NNE | | | | | | | | | | | | | | 100.0 |
| NE | | | | | | | | | | | 25.0 | | | 75.0 |
| ENE | | | | | | | | | 16.7 | | 8.3 | | | 83.3 |
| E | | 2.0 | | | | | | | 10.2 | 4.1 | 12.2 | | | 71.4 |
| ESE | | | | | | | | | 18.8 | | 31.3 | | | 68.8 |
| SE | 33.3 | | | | | | | | | | | | | 66.7 |
| SSE | 12.5 | | | | | | | | | | 12.5 | | | 75.0 |
| S | | 4.3 | | | | | | | 8.7 | | 13.0 | | | 78.3 |
| SSW | | | | | | | | | 4.2 | | 20.8 | | | 77.1 |
| SW | | 3.2 | | | | | | | 4.8 | | 7.9 | | | 87.3 |
| WSW | | 2.7 | 1.4 | | | | | | 5.4 | | 9.5 | | | 85.1 |
| W | .6 | | 1.2 | | | | | | 1.2 | | 11.7 | | | 87.1 |
| WNW | .7 | | | | | | | | 2.0 | | 14.3 | | | 85.0 |
| NW | 4.4 | | | | | | | | | | 13.2 | | | 82.4 |
| NNW | | | | | | | | | | | | | | 100.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 6.3 | 6.3 | 21.9 | | | 65.6 |
| TOTAL | 7 | 6 | 3 | | | | | | 28 | 4 | 96 | | | 608 |
| % TOTAL | 1.0 | .8 | .4 | | | | | | 3.8 | .5 | 13.1 | | | 82.7 |

TOTAL NUMBER OF OBSERVATIONS 735

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115

IMPERIAL BEACH, CALIFORNIA

JAN 73 - DEC 77

MAY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 25.0 | | 50.0 | | | 50.0 |
| NNE | | | | | | | | | | | 100.0 | | | |
| NE | | | | | | | | | 33.3 | | 66.7 | | | 33.3 |
| ENE | | | | | | | | | 40.0 | | 40.0 | | | 40.0 |
| E | | 6.7 | | | | | | | 6.7 | | 20.0 | | | 73.3 |
| ESE | | | | | | | | | 16.7 | | | | | 83.3 |
| SE | | | | | | | | | | | | | | 100.0 |
| SSE | 16.7 | | | | | | | | 33.3 | | 16.7 | | | 50.0 |
| S | | | 2.3 | | | | | | 11.4 | | 25.0 | | | 72.7 |
| SSW | | | 5.1 | | | | | | 12.7 | | 19.0 | | | 74.7 |
| SW | 1.1 | | 3.3 | | | | | | 5.5 | | 17.6 | | | 78.0 |
| WSW | | | 2.9 | | | | | | 5.1 | | 16.1 | | | 81.4 |
| W | | | 2.9 | | | | | | 9.7 | | 22.9 | | | 73.7 |
| WNW | | | 2.0 | | | | | | 8.8 | | 27.5 | | | 70.6 |
| NW | | | | | | | | | 10.3 | | 17.9 | | | 76.9 |
| NNW | | | | | | | | | 37.5 | | 37.5 | | | 50.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 17.2 | 2.4 | 24.1 | | | 65.5 |
| TOTAL | 2 | 1 | 18 | | | | | | 72 | 1 | 158 | | | 539 |
| % TOTAL | .3 | .1 | 2.5 | | | | | | 9.9 | .1 | 21.7 | | | 73.9 |

TOTAL NUMBER OF OBSERVATIONS

729

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

JUNE
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " PELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | 20.0 | | | | | | 20.0 | | 60.0 | | | 40.0 |
| NNE | | | | | | | | | 14.3 | | 57.1 | | | 28.6 |
| NE | | | | | | | | | 33.3 | | 33.3 | | | 66.7 |
| ENE | | | | | | | | | | 33.3 | 33.3 | | | 33.3 |
| E | | | | | | | | | 16.7 | | 33.3 | | | 66.7 |
| ESE | | | | | | | | | 25.0 | | 50.0 | | | 25.0 |
| SE | | | | | | | | | 33.3 | | | | | 66.7 |
| SSE | | | 25.0 | | | | | | 50.0 | | 75.0 | | | 25.0 |
| S | 2.6 | | 5.3 | | | | | | 13.2 | 2.6 | 34.2 | | | 60.5 |
| SSW | | | | | | | | | 9.3 | | 26.7 | | | 66.7 |
| SW | | | 1.1 | | | | | | 13.5 | | 25.8 | | | 64.0 |
| WSW | | | .9 | | | | | | 9.2 | | 22.0 | | | 71.6 |
| W | | | | | | | | | 3.9 | .6 | 27.4 | | | 70.4 |
| WNW | | | | | | | | | 12.1 | 1.9 | 37.4 | | | 55.1 |
| NW | | | 4.2 | | | | | | 10.4 | 2.1 | 45.8 | | | 50.0 |
| NNW | | | | | | | | | 35.7 | | 64.3 | | | 21.4 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 23.1 | 5.1 | 28.2 | | | 56.4 |
| TOTAL | 1 | | 8 | | | | | | 81 | 8 | 227 | | | 457 |
| % TOTAL | .1 | | 1.1 | | | | | | 11.1 | 1.1 | 31.0 | | | 62.3 |

TOTAL NUMBER OF OBSERVATIONS 733

IC

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115

IMPERIAL BEACH, CALIFORNIA

JAN 73 - DEC 77

JULY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 25.0 | | 50.0 | | | 50.0 |
| NNE | | | | | | | | | | | 66.7 | | | 33.3 |
| NE | | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | | |
| SE | | | | | | | | | | | 100.0 | | | |
| SSE | | | | | | | | | | | | | | 100.0 |
| S | | | 1.9 | | | | | | 22.2 | | 38.9 | | | 51.9 |
| SSW | | 1.1 | 2.2 | | | | | | 19.1 | | 36.0 | | | 59.6 |
| SW | | | | | | | | | 10.9 | | 31.3 | | | 65.6 |
| WSW | | .9 | | | | | | | 7.1 | | 23.7 | | | 71.7 |
| W | | | 1.6 | | | | | | 7.8 | | 34.7 | | | 62.7 |
| WNW | | | .8 | | | | | | 6.2 | | 21.7 | | | 76.0 |
| NW | | | | | | | | | 23.3 | | 26.7 | | | 63.3 |
| NNW | | | | | | | | | 66.7 | | 100.0 | | | |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 21.0 | 2.4 | 28.1 | | | 50.0 |
| TOTAL | | 2 | 7 | | | | | | 90 | 1 | 229 | | | 471 |
| % TOTAL | | .3 | 1.0 | | | | | | 12.3 | .1 | 31.4 | | | 64.3 |

TOTAL NUMBER OF OBSERVATIONS 730

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

AUGUST
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 11.1 | | 55.6 | | | 44.4 |
| NNE | | 20.0 | | | | | | | 20.0 | | 20.0 | | | 60.0 |
| NE | | | | | | | | | | | 55.6 | | | 44.4 |
| ENE | | | | | | | | | 50.0 | | 83.3 | | | 16.7 |
| E | | | | | | | | | 37.5 | 12.5 | 12.5 | | | 50.0 |
| ESE | | | | | | | | | 33.3 | 16.7 | 50.0 | | | 33.3 |
| SE | | | | | | | | | 50.0 | | 50.0 | | | 50.0 |
| SSE | | | | | | | | | | | | | | |
| S | 5.3 | | 5.3 | | | | | | 26.3 | | 31.6 | | | 52.6 |
| SSW | 6.7 | | | | | | | | 15.6 | | 31.1 | | | 51.1 |
| SW | | 2.1 | | | | | | | 14.6 | | 39.6 | | | 52.1 |
| WSW | | | 1.6 | | | | | | 17.5 | | 42.9 | | | 54.0 |
| W | | | | | | | | | 4.0 | | 32.8 | | | 66.7 |
| WNW | | | | | | | | | 4.8 | | 34.2 | | | 65.2 |
| NW | 1.3 | | | | | | | | 13.9 | | 41.8 | | | 54.4 |
| NNW | | | | | | | | | 10.0 | | 20.0 | | | 80.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | 4.5 | 2.3 | 2.3 | | | | | | 18.2 | | 36.4 | | | 50.0 |
| TOTAL | 7 | 3 | 3 | | | | | | 79 | 2 | 270 | | | 448 |
| % TOTAL | .9 | .4 | .4 | | | | | | 10.3 | .3 | 36.0 | | | 59.7 |

TOTAL NUMBER OF OBSERVATIONS 751

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

SEPTEMBER
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " PELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 14.3 | | | | | | | | 14.3 | | 14.3 | | | 71.4 |
| NNE | | | | | | | | | 33.3 | | 33.3 | | | 33.3 |
| NE | | | | | | | | | 50.0 | | 62.5 | | | 37.5 |
| ENE | | | | | | | | | 40.0 | | 60.0 | | | 20.0 |
| E | | | | | | | | | 9.1 | | 59.1 | | | 40.9 |
| ESE | 8.3 | | | | | | | | 8.3 | | 41.7 | | | 50.0 |
| SE | | | | | | | | | | | 66.7 | | | 33.3 |
| SSE | | | | | | | | | | | 50.0 | | | 50.0 |
| S | | | 3.2 | | | | | | 16.1 | | 33.3 | | | 54.8 |
| SSW | | 2.3 | 2.3 | | | | | 2.3 | 15.9 | | 34.1 | | | 56.8 |
| SW | 2.1 | | | | | | | | 12.8 | 2.1 | 53.3 | | | 38.3 |
| WSW | | 1.8 | | | | | | 1.8 | 10.5 | | 36.8 | | | 59.6 |
| W | | | 1.3 | | | | | | 4.0 | | 34.4 | | | 63.6 |
| WNW | | | .8 | | | | | | 5.6 | .8 | 43.7 | | | 56.3 |
| NW | | | | | | | | | 4.3 | | 29.3 | | | 69.6 |
| NNW | | | 7.1 | | | | | | 7.1 | | 25.0 | | | 71.4 |
| VARIABLE | | | | | | | | | 8.2 | 1.9 | 47.7 | | | 50.8 |
| CALM | | | | | | | | | | | | | | |
| TOTAL | 3 | 2 | 7 | | | | | 2 | 60 | 3 | 277 | | | 406 |
| % TOTAL | .4 | .3 | 1.0 | | | | | .3 | 8.5 | .4 | 39.3 | | | 57.6 |

TOTAL NUMBER OF OBSERVATIONS 705

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

OCTOBER
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 20.0 | | 20.0 | | | 70.0 |
| NNE | | | | | | | | | 22.2 | 11.1 | 55.6 | | | 44.4 |
| NE | | | | | | | | | 33.3 | | 66.7 | | | 25.0 |
| ENE | | | | | | | | | 31.3 | | 25.0 | | | 56.3 |
| E | | 3.7 | | | | | | 3.7 | 20.4 | 3.7 | 50.0 | | | 40.7 |
| ESE | | | | | | | | | 18.2 | | 27.3 | | | 63.6 |
| SE | | | | | | | | | 20.0 | | 20.0 | | | 60.0 |
| SSE | | | | | | | | | | | | | | 100.0 |
| S | | 11.1 | | | | | | 11.1 | 11.1 | | 22.2 | | | 55.6 |
| SSW | 3.2 | 3.2 | | | | | | | | | 32.3 | | | 61.3 |
| SW | | 5.7 | | | | | | | | | 20.0 | | | 74.3 |
| WSW | 2.1 | 2.1 | | | | | | | 2.1 | | 31.9 | | | 66.0 |
| W | | 2.2 | | | | | | | 10.1 | 1.4 | 39.6 | | | 54.7 |
| WNW | | | | | | | | | 4.7 | 2.7 | 51.0 | | | 49.0 |
| NW | | | | | | | | | 6.4 | 2.6 | 38.5 | | | 57.7 |
| NNW | | | | | | | | | 15.8 | 5.3 | 36.8 | | | 57.9 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 12.2 | 1.2 | 40.2 | | | 56.1 |
| TOTAL | 2 | 11 | | | | | | 4 | 69 | 13 | 287 | | | 395 |
| % TOTAL | .3 | 1.5 | | | | | | .6 | 9.6 | 1.8 | 40.0 | | | 55.0 |

TOTAL NUMBER OF OBSERVATIONS 718

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

NOVEMBER
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " FELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 10.5 | | 5.3 | | | 69.5 |
| NNE | | | | | | | | | 13.6 | | 4.5 | | | 86.4 |
| NE | | | | | | | | | 4.5 | | 9.1 | | | 90.9 |
| ENE | | | | | | | | | 3.4 | 2.7 | 29.7 | | | 67.6 |
| E | 1.0 | | | | | | | | 13.3 | 1.0 | 14.3 | | | 77.6 |
| ESE | | | 3.2 | | | | | | 12.9 | 3.2 | 16.1 | | | 71.0 |
| SE | | | | | | | | | | | | | | 100.0 |
| SSE | 14.3 | | | | | | | | 14.3 | | 28.6 | | | 57.1 |
| S | 7.7 | 3.8 | 3.8 | | | | | | 3.8 | 3.8 | 7.7 | | | 73.1 |
| SSW | | | | | | | | | 2.2 | 2.2 | 6.5 | | | 91.3 |
| SW | | 2.2 | | | | | | | 2.2 | | 17.8 | | | 77.8 |
| WSW | | 3.8 | | | | | | | 9.4 | | 22.6 | | | 71.7 |
| W | | | | | | | | | 10.5 | | 28.4 | | | 69.5 |
| WNW | 1.1 | 1.1 | | | | | | | 5.5 | 2.2 | 25.3 | | | 71.4 |
| NW | 1.6 | | | | | | | | 6.5 | 1.6 | 16.1 | | | 79.0 |
| NNW | | | | | | | | | 7.7 | | 15.4 | | | 80.8 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | | | | | | | | 14.9 | | 18.4 | | | 72.1 |
| TOTAL | 6 | 5 | 2 | | | | | | 65 | 8 | 138 | | | 572 |
| % TOTAL | .8 | .7 | .3 | | | | | | 8.6 | 1.1 | 18.4 | | | 76.1 |

TOTAL NUMBER OF OBSERVATIONS 752

NAVWEASERVCOM

5708 % FREQ. WIND DIR. WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

73115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

DECEMBER
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " PELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | 3.8 | | 23.1 | | | 76.9 |
| NNE | | | | | | | | | 10.0 | 5.0 | 15.0 | | | 80.0 |
| NE | | | | | | | | | 4.2 | | 4.2 | | | 91.7 |
| ENE | | | | | | | | | 10.0 | 2.5 | 20.0 | | | 77.5 |
| E | | .7 | 2.1 | | | | | | 11.0 | 1.4 | 18.6 | | 3.4 | 66.2 |
| ESE | | | | | | | | | 14.3 | 9.5 | 33.3 | | | 61.9 |
| SE | 11.1 | | | | | | | | 11.1 | | | | | 77.8 |
| SSE | | 12.5 | 12.5 | | | | | | | | 12.5 | | | 62.5 |
| S | 6.3 | 6.3 | | | | | | | 9.4 | | 9.4 | | | 71.9 |
| SSW | 2.4 | 4.8 | | | | | | | 4.8 | | 9.5 | | | 83.3 |
| SW | | | | | | | | | 10.0 | | 6.7 | | | 86.7 |
| WSW | | 2.7 | | | | | | | 5.4 | | 21.6 | | | 75.7 |
| W | 1.3 | | | | | | | | 9.0 | | 28.2 | | | 69.2 |
| WNW | | | | | | | | | 2.8 | 1.4 | 19.7 | | | 77.5 |
| NW | | | | | | | | | 4.3 | | 23.9 | | | 73.9 |
| NNW | | | | | | | | | | | 21.4 | | | 78.6 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | 2.1 | 2.1 | | | | | | 14.9 | 1.1 | 12.6 | | | 71.6 |
| TOTAL | 5 | 9 | 6 | | | | | | 67 | 8 | 132 | | 5 | 544 |
| % TOTAL | .7 | 1.2 | .8 | | | | | | 9.1 | 1.1 | 17.9 | | .7 | 73.7 |

TOTAL NUMBER OF OBSERVATIONS 738

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 73 - DEC 77
YEARS

ALL
MONTH

ALL
HOURS (L.S.T.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET " SHOWERS ICE CRYSTALS | SNOW " GRAINS " PELLETS " SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | .7 | .7 | .7 | | | | | | 7.5 | | 17.2 | | | 79.1 |
| NNE | | .8 | | | | | | | 11.0 | 2.4 | 19.7 | | .8 | 74.0 |
| NE | | | | | | | | | 12.4 | 1.5 | 22.6 | | | 70.8 |
| ENE | .5 | .5 | | | | | | | 12.6 | 2.4 | 21.4 | | | 70.9 |
| E | .7 | 1.2 | .6 | | | | | .3 | 9.8 | 2.4 | 17.8 | | .9 | 72.0 |
| ESE | 1.0 | .5 | .5 | | | | | | 11.5 | 3.0 | 19.5 | | 1.5 | 72.0 |
| SE | 8.5 | 5.1 | 3.4 | | | | | | 15.3 | | 11.9 | | | 62.7 |
| SSE | 6.8 | 5.5 | 2.7 | | | | | | 9.6 | | 15.1 | | | 68.5 |
| S | 4.9 | 3.9 | 2.9 | | | | | .5 | 10.9 | .7 | 18.9 | | | 66.5 |
| SSW | 1.3 | 1.5 | 1.5 | | | | | .2 | 10.0 | .2 | 22.0 | | | 71.0 |
| SW | .5 | 1.5 | 1.3 | | | | | .2 | 8.1 | .2 | 21.6 | | | 71.6 |
| WSW | .2 | 1.6 | 1.0 | | | | | .1 | 7.6 | .4 | 21.6 | | | 73.9 |
| W | .3 | .5 | 1.0 | | | | | .1 | 5.8 | .4 | 25.6 | | | 71.3 |
| WNW | .2 | .4 | .3 | | | | | | 5.1 | .9 | 27.5 | | | 70.3 |
| NW | .7 | .1 | .4 | | | | | | 6.5 | .6 | 23.7 | | | 72.7 |
| NNW | .5 | .5 | 1.4 | | | | .5 | .5 | 11.4 | 1.0 | 22.9 | | | 71.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | .4 | .8 | .5 | | | | | | 14.0 | 1.6 | 25.7 | | | 65.2 |
| TOTAL | 71 | 88 | 77 | | | | 1 | 9 | 727 | 75 | 2028 | | 10 | 6211 |
| % TOTAL | .8 | 1.0 | .9 | | | | .0 | .1 | 8.3 | .9 | 23.2 | | .1 | 71.0 |

TOTAL NUMBER OF OBSERVATIONS 8,754

NWSD, Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

| | |
|---------------|---------------------------------|
| PRECIPITATION | DERIVED FROM DAILY OBSERVATIONS |
| SNOWFALL* | DERIVED FROM DAILY OBSERVATIONS |
| SNOW DEPTH | DERIVED FROM DAILY OBSERVATIONS |

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

| | | |
|--|--------------------------------------|------------------------|
| Air Force Stations | From beginning of record thru 1945 | Snow depth at 0800 LST |
| | Jan 46-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |
| U. S. Navy and Weather Bureau Stations | From beginning of record thru Jun 52 | Snow depth at 0030 GCT |
| | Jul 52-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

93115 IMPERIAL BEACH, CALIFORNIA 45-48, 55-77

STATION STATION NAME YEARS

| PRECIP. | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|----------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 75.2 | 7.0 | 2.1 | 3.9 | 2.2 | 3.6 | 3.5 | 1.5 | .8 | | | | | 17.8 | 713 | 1.32 | 5.93 | TRACE |
| FEB | 73.0 | 9.3 | 1.9 | 4.4 | 3.2 | 3.5 | 2.4 | 2.2 | .2 | | | | | 17.7 | 593 | 1.03 | 3.09 | TRACE |
| MAR | 73.2 | 9.4 | 1.5 | 2.9 | 4.5 | 3.8 | 3.1 | 1.4 | .1 | | | | | 17.4 | 713 | 1.04 | 3.07 | TRACE |
| APR | 77.5 | 9.0 | 1.6 | 2.6 | 2.8 | 3.3 | 1.9 | 1.2 | .1 | | | | | 13.5 | 690 | .75 | 3.22 | TRACE |
| MAY | 81.3 | 12.5 | 1.3 | 2.6 | .9 | 1.0 | .1 | .1 | .1 | | | | | 6.2 | 775 | .18 | 1.15 | .00 |
| JUN | 79.0 | 17.4 | .7 | 1.9 | .3 | .1 | .6 | | | | | | | 3.6 | 720 | .08 | .51 | .00 |
| JUL | 90.3 | 8.1 | .7 | .3 | .4 | | .3 | | | | | | | 1.6 | 744 | .05 | .80 | .00 |
| AUG | 91.9 | 6.6 | .4 | .7 | | .1 | | .1 | .1 | | | | | 1.5 | 744 | .10 | 2.10 | .00 |
| SEP | 87.8 | 9.4 | .1 | 1.0 | .4 | .3 | .4 | .1 | .3 | | | | | 2.8 | 690 | .21 | 2.25 | .00 |
| OCT | 84.2 | 9.0 | 1.0 | 2.0 | 1.4 | 1.4 | .6 | .6 | | | | | | 6.9 | 713 | .28 | 1.72 | TRACE |
| NOV | 81.5 | 4.3 | 1.7 | 3.3 | 1.7 | 3.3 | 1.9 | 1.4 | .8 | | | | | 14.2 | 720 | 1.14 | 6.42 | .00 |
| DEC | 77.8 | 7.2 | .7 | 3.9 | 2.5 | 3.1 | 2.7 | 1.8 | .3 | | | | | 15.0 | 713 | 1.05 | 4.40 | TRACE |
| ANNUAL | 81.1 | 9.1 | 1.1 | 2.5 | 1.7 | 2.0 | 1.5 | .9 | .2 | | | | | 9.8 | 8528 | 7.23 | | |

NAVWEASERVCOM

5722 Daily Amounts Jan. 1969

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 13115 IMPERIAL BEACH, CALIFORNIA 45-48, 55-77 YEARS

| PRECIP. | AMOUNTS (INCHES) | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|---|----------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | |
| JAN | 100.0 | | | | | | | | | | | | | 713 | .0 | .0 | .0 |
| FEB | 100.0 | | | | | | | | | | | | | 622 | .0 | .0 | .0 |
| MAR | 100.0 | | | | | | | | | | | | | 682 | .0 | .0 | .0 |
| APR | 100.0 | | | | | | | | | | | | | 720 | .0 | .0 | .0 |
| MAY | 100.0 | | | | | | | | | | | | | 744 | .0 | .0 | .0 |
| JUN | 100.0 | | | | | | | | | | | | | 720 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | 744 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | 713 | .0 | .0 | .0 |
| SEP | 100.0 | | | | | | | | | | | | | 690 | .0 | .0 | .0 |
| OCT | 100.0 | | | | | | | | | | | | | 713 | .0 | .0 | .0 |
| NOV | 100.0 | | | | | | | | | | | | | 690 | .0 | .0 | .0 |
| DEC | 99.9 | .1 | | | | | | | | | | | | 713 | TRACE | TRACE | .0 |
| ANNUAL | 100.0 | .0 | | | | | | | | | | | | 8464 | .0 | | |

5722 Daily Amounts Jan. 1969

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

03115 IMPERIAL BEACH, CALIFORNIA 47-48, 55-77

STATION STATION NAME YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|----------------------------|-----------------------------|----------|-------|
| PRECIP. | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 100.0 | | | | | | | | | | | | | | 682 | | | |
| FEB | 100.0 | | | | | | | | | | | | | | 622 | | | |
| MAR | 100.0 | | | | | | | | | | | | | | 662 | | | |
| APR | 100.0 | | | | | | | | | | | | | | 660 | | | |
| MAY | 100.0 | | | | | | | | | | | | | | 713 | | | |
| JUN | 100.0 | | | | | | | | | | | | | | 690 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 713 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 651 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 660 | | | |
| OCT | 100.0 | | | | | | | | | | | | | | 682 | | | |
| NOV | 100.0 | | | | | | | | | | | | | | 690 | | | |
| DEC | 100.0 | | | | | | | | | | | | | | 682 | | | |
| ANNUAL | 100.0 | | | | | | | | | | | | | | 8127 | | | |

5722 Daily Amounts Jan. 1969

NAVWEASERVCOM

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

93115 IMPERIAL BEACH, CALIFORNIA

45-48, 55-77

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 45 | | | | | | TRACE | .50 | TRACE | TRACE | TRACE | TRACE | TRACE | |
| 46 | TRACE | | TRACE | TRACE | .00 | | | | | | | | |
| 47 | | | | | TRACE | | | | | | .00 | | |
| 48 | | | | | .00 | TRACE | .00 | .00 | | | | | |
| 49 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | .13 | |
| 56 | .60 | .10 | TRACE | .76 | .09 | TRACE | TRACE | TRACE | .00 | .22 | .00 | .11 | .76 |
| 57 | 1.63 | .27 | .32 | .62 | .36 | .33 | TRACE | TRACE | .04 | .60 | .37 | .45 | 1.63 |
| 58 | .40 | 1.08 | .71 | .62 | .53 | .00 | .00 | .04 | .34 | .03 | .17 | .05 | 1.08 |
| 59 | .20 | .89 | TRACE | .15 | .01 | .02 | TRACE | TRACE | TRACE | .27 | .02 | .55 | .89 |
| 60 | 1.18 | .37 | .17 | .45 | .16 | TRACE | TRACE | TRACE | .17 | .09 | .35 | .15 | 1.18 |
| 61 | .68 | .02 | .30 | .01 | .02 | .02 | TRACE | .05 | TRACE | .01 | .40 | .74 | .74 |
| 62 | 1.01 | .50 | .20 | TRACE | .23 | .04 | TRACE | TRACE | TRACE | TRACE | .04 | .18 | 1.01 |
| 63 | .02 | .50 | .53 | .25 | TRACE | .43 | TRACE | .05 | 1.12 | .12 | 1.89 | TRACE | 1.89 |
| 64 | .60 | .14 | .47 | .25 | .07 | TRACE | TRACE | TRACE | TRACE | TRACE | .66 | .66 | .66 |
| 65 | .19 | .37 | .55 | 1.24 | TRACE | .02 | .06 | TRACE | .12 | TRACE | 1.77 | 1.42 | 1.77 |
| 66 | .63 | .81 | .10 | TRACE | TRACE | .31 | .01 | .00 | TRACE | .54 | 1.31 | .85 | 1.31 |
| 67 | 1.42 | TRACE | .78 | .81 | .05 | .07 | .07 | .04 | TRACE | TRACE | 1.06 | 1.33 | 1.42 |
| 68 | .35 | .45 | 1.58 | .23 | .04 | .02 | .06 | TRACE | .00 | .02 | .11 | .28 | 1.58 |
| 69 | 1.36 | .86 | .43 | .10 | .11 | .01 | TRACE | .01 | TRACE | .02 | .51 | .19 | 1.36 |
| 70 | .31 | .70 | .97 | .11 | .04 | TRACE | TRACE | TRACE | TRACE | .07 | 1.50 | .70 | 1.50 |
| 71 | .21 | .66 | .08 | .42 | .21 | TRACE | TRACE | TRACE | .05 | .23 | .05 | .41 | .66 |
| 72 | TRACE | .08 | .01 | .08 | .12 | .29 | TRACE | .01 | .10 | .24 | .62 | .98 | .98 |
| 73 | .59 | .55 | .58 | .07 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | .48 | .06 | .59 |
| 74 | .43 | .01 | .73 | TRACE | TRACE | .01 | .02 | TRACE | TRACE | .35 | .29 | .77 | .77 |
| 75 | .29 | .24 | .38 | .39 | .03 | .01 | .01 | TRACE | .08 | .12 | .53 | .28 | .53 |
| 76 | TRACE | | .52 | .36 | .10 | TRACE | .01 | TRACE | 1.12 | .27 | .80 | .48 | |
| 77 | .91 | .05 | .52 | .02 | 1.02 | .03 | .00 | 1.41 | .01 | .61 | .01 | | |
| MEAN | .57 | .41 | .42 | .30 | .13 | .07 | .03 | .07 | .14 | .17 | .54 | .47 | 1.12 |
| S. D. | .481 | .329 | .374 | .326 | .226 | .128 | .102 | .287 | .320 | .198 | .575 | .409 | .420 |
| TOTAL OBS. | 713 | 593 | 713 | 690 | 775 | 720 | 744 | 744 | 690 | 713 | 720 | 713 | 8528 |

NAVWEASERVCOM

5723 Extreme Values Jan 1969

PRECIPITATION (FROM DAILY OBSERVATIONS)

YEARS

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

93115

IMPERIAL BEACH, CALIFORNIA

45-48, 55-77

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|------|------|------|------|------|------|------|------|------|------|------|-------|---------------|
| 45 | | | | | | .0 | .0 | .0 | .0 | .0 | | .0 | |
| 46 | .0 | | | .0 | .0 | | | | | | | | |
| 47 | | | | | .0 | | | | | | .0 | | |
| 48 | | | | .0 | | .0 | .0 | | | | | | |
| 49 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | .0 | |
| 56 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 57 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 58 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 59 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 60 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 61 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 62 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 63 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 64 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 65 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 66 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 67 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE |
| 68 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 69 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 70 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 71 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 72 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 73 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 74 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 75 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 76 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 77 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| MEAN | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | TRACE | .00 |
| S. D. | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| TOTAL OBS. | 713 | 622 | 682 | 720 | 744 | 720 | 744 | 713 | 690 | 713 | 690 | 713 | 8464 |

NAVWEASERVCOM

SNOWFALL
(FROM DAILY OBSERVATIONS)

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-48, 55-77
YEARS

DAILY SNOW DEPTH IN INCHES

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|
| 45 | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | |
| 47 | | | | | 0 | | | | | | 0 | | |
| 48 | | | | | | 0 | 0 | | | | | | |
| 49 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | 0 | |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| S. D. | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| TOTAL OBS. | 682 | 672 | 682 | 660 | 713 | 690 | 713 | 691 | 660 | 682 | 690 | 682 | 8127 |

NAVWEASERVCOM

5723 Extreme Values Jan 1969

801

0

YEARS

5723 Extreme Values Jan 1969

601

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93115
STATION

IMPERIAL BEACH, CA.
STATION NAME

1946-1947 1949-1949 9999-9999
YEARS

JANUARY MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.11 | 3 | 1960 | | | |
| 2 | 0.18 | 5 | 1977 | | | |
| 3 | 0.20 | 5 | 1977 | | | |
| 4 | 0.43 | 11 | 1974 | | | |
| 5 | 0.28 | 7 | 1974 | | | |
| 6 | 0.91 | 23 | 1977 | | | |
| 7 | 1.63 | 41 | 1957 | | | |
| 8 | 0.44 | 11 | 1957 | | | |
| 9 | 0.34 | 9 | 1957 | | | |
| 10 | 0.56 | 14 | 1960 | | | |
| 11 | 0.09 | 2 | 1970 | | | |
| 12 | 1.18 | 30 | 1960 | | | |
| 13 | 0.85 | 22 | 1957 | | | |
| 14 | 1.36 | 35 | 1969 | | | |
| 15 | 0.37 | 9 | 1960 | | | |
| 16 | 0.45 | 11 | 1973 | | | |
| 17 | 0.02 | 1 | 1970 | | | |
| 18 | 0.59 | 15 | 1973 | | | |
| 19 | 0.04 | 1 | 1973 | | | |
| 20 | 1.01 | 26 | 1962 | | | |
| 21 | 0.60 | 15 | 1964 | | | |
| 22 | 1.42 | 36 | 1967 | | | |
| 23 | 0.03 | 1 | 1967 | | | |
| 24 | 0.57 | 14 | 1962 | | | |
| 25 | 0.36 | 9 | 1969 | | | |
| 26 | 0.68 | 17 | 1961 | | | |
| 27 | 0.63 | 16 | 1966 | | | |
| 28 | 0.35 | 9 | 1968 | | | |
| 29 | 1.46 | 37 | 1957 | | | |
| 30 | 0.53 | 13 | 1966 | | | |
| 31 | 0.35 | 9 | 1956 | | | |
| Monthly | 1.63 | 41 | 1957 | | | |

FEBRUARY MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.37 | 9 | 1960 | | | |
| 2 | 0.13 | 3 | 1960 | | | |
| 3 | 0.78 | 20 | 1958 | | | |
| 4 | 1.08 | 27 | 1958 | | | |
| 5 | 0.68 | 17 | 1976 | | | |
| 6 | 0.83 | 21 | 1969 | | | |
| 7 | 0.55 | 14 | 1976 | | | |
| 8 | 0.80 | 20 | 1976 | | | |
| 9 | 0.43 | 11 | 1963 | | | |
| 10 | 0.70 | 18 | 1976* | | | |
| 11 | 0.58 | 15 | 1959 | | | |
| 12 | 0.16 | 4 | 1973 | | | |
| 13 | 0.48 | 12 | 1973 | | | |
| 14 | 0.04 | 1 | 1973 | | | |
| 15 | 0.09 | 2 | 1964 | | | |
| 16 | 0.64 | 16 | 1959 | | | |
| 17 | 0.66 | 17 | 1971 | | | |
| 18 | 0.55 | 14 | 1969 | | | |
| 19 | 0.53 | 13 | 1958 | | | |
| 20 | 0.28 | 7 | 1962 | | | |
| 21 | 0.89 | 23 | 1959 | | | |
| 22 | 0.86 | 22 | 1969 | | | |
| 23 | 0.27 | 7 | 1957 | | | |
| 24 | 0.22 | 6 | 1962 | | | |
| 25 | 0.32 | 8 | 1958 | | | |
| 26 | 0.22 | 6 | 1962 | | | |
| 27 | 0.01 | | 1965 | | | |
| 28 | 0.48 | 12 | 1970 | | | |
| 29 | 0.14 | 4 | 1964 | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| Monthly | 1.08 | 27 | 1958 | | | |

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AMOUNT MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93115
STATION

IMPERIAL BEACH, CA.
STATION NAME

1946-1947 1949-1949 9999-9999
YEARS

MARCH
MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.97 | 25 | 1970 | | | |
| 2 | 0.35 | 9 | 1970 | | | |
| 3 | 0.52 | 13 | 1976 | | | |
| 4 | 0.35 | 9 | 1970 | | | |
| 5 | 0.10 | 3 | 1975* | | | |
| 6 | 0.71 | 18 | 1958 | | | |
| 7 | 0.49 | 12 | 1974 | | | |
| 8 | 1.58 | 40 | 1968 | | | |
| 9 | 0.19 | 5 | 1968 | | | |
| 10 | 0.38 | 10 | 1975 | | | |
| 11 | 0.58 | 15 | 1973 | | | |
| 12 | 0.15 | 4 | 1969 | | | |
| 13 | 0.43 | 11 | 1969 | | | |
| 14 | 0.23 | 6 | 1975 | | | |
| 15 | 0.55 | 14 | 1965 | | | |
| 16 | 0.59 | 15 | 1958 | | | |
| 17 | 0.53 | 13 | 1963 | | | |
| 18 | 0.14 | 4 | 1962 | | | |
| 19 | 0.28 | 7 | 1957 | | | |
| 20 | 0.35 | 9 | 1973 | | | |
| 21 | 0.16 | 4 | 1969 | | | |
| 22 | 0.19 | 5 | 1964 | | | |
| 23 | 0.47 | 12 | 1964 | | | |
| 24 | 0.17 | 4 | 1958 | | | |
| 25 | 0.48 | 12 | 1977 | | | |
| 26 | 0.18 | 5 | 1973 | | | |
| 27 | 0.36 | 9 | 1958 | | | |
| 28 | 0.18 | 5 | 1961 | | | |
| 29 | 0.09 | 2 | 1967 | | | |
| 30 | 0.01 | | 1974* | | | |
| 31 | 0.78 | 20 | 1967 | | | |
| Monthly | 1.58 | 40 | 1968 | | | |

APRIL
MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.52 | 13 | 1956 | | | |
| 2 | 0.17 | 4 | 1968 | | | |
| 3 | 0.62 | 16 | 1958 | | | |
| 4 | 0.35 | 9 | 1958 | | | |
| 5 | 0.08 | 2 | 1965 | | | |
| 6 | 0.33 | 8 | 1975 | | | |
| 7 | 0.62 | 16 | 1958 | | | |
| 8 | 1.24 | 31 | 1965 | | | |
| 9 | 0.41 | 10 | 1965 | | | |
| 10 | 0.06 | 2 | 1965 | | | |
| 11 | 0.81 | 21 | 1967 | | | |
| 12 | 0.76 | 19 | 1956 | | | |
| 13 | 0.66 | 17 | 1956 | | | |
| 14 | 0.17 | 4 | 1971 | | | |
| 15 | 0.20 | 5 | 1976 | | | |
| 16 | 0.09 | 2 | 1975* | | | |
| 17 | 0.12 | 3 | 1963 | | | |
| 18 | 0.42 | 11 | 1971 | | | |
| 19 | 0.29 | 7 | 1967 | | | |
| 20 | 0.62 | 16 | 1957 | | | |
| 21 | 0.12 | 3 | 1967* | | | |
| 22 | 0.42 | 11 | 1967 | | | |
| 23 | 0.03 | 1 | 1964 | | | |
| 24 | 0.07 | 2 | 1967 | | | |
| 25 | 0.14 | 4 | 1959 | | | |
| 26 | 0.25 | 6 | 1963 | | | |
| 27 | 0.45 | 11 | 1960 | | | |
| 28 | 0.07 | 2 | 1970 | | | |
| 29 | 0.01 | | 1973 | | | |
| 30 | 0.07 | 2 | 1973 | | | |
| 31 | | | | | | |
| Monthly | 1.24 | 31 | 1965 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93115
STATION

IMPERIAL BEACH, CA.
STATION NAME

1945-1949 1956-1977
YEARS

MAY
MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.01 | | 1959* | | | |
| 2 | 0.02 | 1 | 1958 | | | |
| 3 | 0.16 | 4 | 1960 | | | |
| 4 | 0.06 | 2 | 1969 | | | |
| 5 | 0.04 | 1 | 1964 | | | |
| 6 | 0.21 | 5 | 1971 | | | |
| 7 | 0.19 | 5 | 1971 | | | |
| 8 | 1.02 | 26 | 1977 | | | |
| 9 | 0.09 | 2 | 1956 | | | |
| 10 | 0.07 | 2 | 1957 | | | |
| 11 | 0.53 | 13 | 1958 | | | |
| 12 | 0.05 | 1 | 1977 | | | |
| 13 | T | T | 1974* | | | |
| 14 | 0.04 | 1 | 1957 | | | |
| 15 | T | T | 1974* | | | |
| 16 | 0.13 | 3 | 1962 | | | |
| 17 | T | T | 1973* | | | |
| 18 | T | T | 1973* | | | |
| 19 | 0.07 | 2 | 1957 | | | |
| 20 | 0.12 | 3 | 1972 | | | |
| 21 | 0.16 | 4 | 1957 | | | |
| 22 | | | | | | |
| 23 | 0.05 | 1 | 1967 | | | |
| 24 | T | T | 1977* | | | |
| 25 | 0.01 | | 1967* | | | |
| 26 | 0.23 | 6 | 1962 | | | |
| 27 | 0.05 | 1 | 1962 | | | |
| 28 | 0.04 | 1 | 1971 | | | |
| 29 | 0.01 | | 1971 | | | |
| 30 | 0.01 | | 1962 | | | |
| 31 | T | T | 1974* | | | |
| Monthly | 1.02 | 26 | 1977 | | | |

JUNE
MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | T | T | 1977* | | | |
| 2 | T | T | 1977* | | | |
| 3 | 0.02 | 1 | 1965 | | | |
| 4 | T | T | 1970* | | | |
| 5 | 0.03 | 1 | 1977 | | | |
| 6 | T | T | 1974* | | | |
| 7 | 0.02 | 1 | 1968* | | | |
| 8 | 0.03 | 1 | 1957 | | | |
| 9 | 0.11 | 3 | 1957 | | | |
| 10 | 0.33 | 8 | 1957 | | | |
| 11 | 0.43 | 11 | 1963 | | | |
| 12 | 0.03 | 1 | 1967* | | | |
| 13 | 0.07 | 2 | 1967 | | | |
| 14 | T | T | 1969* | | | |
| 15 | 0.04 | 1 | 1962 | | | |
| 16 | T | T | 1975* | | | |
| 17 | T | T | 1975* | | | |
| 18 | 0.01 | | 1975 | | | |
| 19 | 0.31 | 8 | 1966 | | | |
| 20 | 0.29 | 7 | 1972 | | | |
| 21 | T | T | 1972* | | | |
| 22 | 0.02 | 1 | 1972 | | | |
| 23 | T | T | 1968* | | | |
| 24 | T | T | 1974* | | | |
| 25 | T | T | 1971* | | | |
| 26 | T | T | 1968* | | | |
| 27 | T | T | 1969* | | | |
| 28 | 0.02 | 1 | 1959 | | | |
| 29 | T | T | 1968 | | | |
| 30 | T | T | 1972* | | | |
| 31 | | | | | | |
| Monthly | 0.43 | 11 | 1963 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93115 IMPERIAL BEACH, CA. 1945-1949 1956-1977
STATION STATION NAME YEARS

JULY
MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.30 | 8 | 1945 | | | |
| 2 | T | T | 1970* | | | |
| 3 | T | T | 1967 | | | |
| 4 | 0.50 | 13 | 1945 | | | |
| 5 | T | T | 1968 | | | |
| 6 | 0.03 | 1 | 1968 | | | |
| 7 | T | T | 1973* | | | |
| 8 | 0.01 | | 1966 | | | |
| 9 | T | T | 1967* | | | |
| 10 | T | T | 1970 | | | |
| 11 | T | T | 1969 | | | |
| 12 | T | T | 1975* | | | |
| 13 | T | T | 1976 | | | |
| 14 | 0.01 | | 1974 | | | |
| 15 | T | T | 1972 | | | |
| 16 | T | T | 1976* | | | |
| 17 | T | T | 1976 | | | |
| 18 | T | T | 1966* | | | |
| 19 | T | T | 1963 | | | |
| 20 | T | T | 1969 | | | |
| 21 | T | T | 1972* | | | |
| 22 | T | T | 1976* | | | |
| 23 | T | T | 1975* | | | |
| 24 | T | T | 1956 | | | |
| 25 | 0.01 | | 1976 | | | |
| 26 | 0.07 | 2 | 1967 | | | |
| 27 | T | T | 1969* | | | |
| 28 | 0.06 | 2 | 1968 | | | |
| 29 | 0.06 | 2 | 1965 | | | |
| 30 | T | T | 1976 | | | |
| 31 | T | T | 1964* | | | |
| Monthly | 0.50 | 13 | 1945 | | | |

AUGUST
MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | T | T | 1977* | | | |
| 2 | T | T | 1971 | | | |
| 3 | T | T | 1969 | | | |
| 4 | 0.05 | 1 | 1961 | | | |
| 5 | T | T | 1969 | | | |
| 6 | T | T | 1972* | | | |
| 7 | T | T | 1967* | | | |
| 8 | 0.05 | 1 | 1963 | | | |
| 9 | T | T | 1975* | | | |
| 10 | 0.01 | | 1969 | | | |
| 11 | T | T | 1975 | | | |
| 12 | | | | | | |
| 13 | T | T | 1962* | | | |
| 14 | 0.04 | 1 | 1958 | | | |
| 15 | 0.17 | 4 | 1977 | | | |
| 16 | 1.41 | 36 | 1977 | | | |
| 17 | 0.31 | 13 | 1977 | | | |
| 18 | 0.03 | 1 | 1961 | | | |
| 19 | 0.01 | | 1977 | | | |
| 20 | T | T | 1973* | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | T | T | 1972* | | | |
| 25 | T | T | 1972* | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | 0.01 | | 1972 | | | |
| 30 | T | T | 1976 | | | |
| 31 | 0.04 | 1 | 1967 | | | |
| Monthly | 1.41 | 36 | 1977 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

24 DAILY AMOUNTS MAY 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93115
STATION

IMPERIAL BEACH, CA.
STATION NAME

1945-1949 1956-1977
YEARS

SEPTEMBER MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | T | T | 1960 | | | |
| 2 | T | T | 1976* | | | |
| 3 | 0.03 | 1 | 1976 | | | |
| 4 | 1.12 | 28 | 1963 | | | |
| 5 | T | T | 1972* | | | |
| 6 | 0.06 | 2 | 1972 | | | |
| 7 | 0.08 | 2 | 1975 | | | |
| 8 | 0.02 | 1 | 1972 | | | |
| 9 | 0.33 | 8 | 1976 | | | |
| 10 | 1.12 | 28 | 1976 | | | |
| 11 | | | | | | |
| 12 | T | T | 1963* | | | |
| 13 | T | T | 1975* | | | |
| 14 | T | T | 1969* | | | |
| 15 | T | T | 1971* | | | |
| 16 | T | T | 1965* | | | |
| 17 | 0.58 | 15 | 1963 | | | |
| 18 | 0.50 | 13 | 1963 | | | |
| 19 | 0.05 | 1 | 1963 | | | |
| 20 | T | T | 1969 | | | |
| 21 | T | T | 1973* | | | |
| 22 | T | T | 1973 | | | |
| 23 | T | T | 1958 | | | |
| 24 | 0.34 | 9 | 1958 | | | |
| 25 | T | T | 1970* | | | |
| 26 | 0.01 | | 1977 | | | |
| 27 | T | T | 1966* | | | |
| 28 | T | T | 1967* | | | |
| 29 | 0.05 | 1 | 1971 | | | |
| 30 | T | T | 1967* | | | |
| 31 | | | | | | |
| Monthly | 1.12 | 28 | 1976* | | | |

OCTOBER MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.27 | 7 | 1959 | | | |
| 2 | 0.02 | 1 | 1976 | | | |
| 3 | 0.07 | 2 | 1970 | | | |
| 4 | T | T | 1966* | | | |
| 5 | 0.17 | 4 | 1977 | | | |
| 6 | 0.61 | 15 | 1977 | | | |
| 7 | 0.04 | 1 | 1975 | | | |
| 8 | 0.04 | 1 | 1960 | | | |
| 9 | 0.09 | 2 | 1960 | | | |
| 10 | 0.54 | 14 | 1966 | | | |
| 11 | 0.24 | 6 | 1957 | | | |
| 12 | 0.12 | 3 | 1975 | | | |
| 13 | 0.27 | 7 | 1957 | | | |
| 14 | 0.53 | 13 | 1957 | | | |
| 15 | 0.01 | | 1957 | | | |
| 16 | 0.19 | 5 | 1971 | | | |
| 17 | 0.24 | 6 | 1972 | | | |
| 18 | 0.23 | 6 | 1972 | | | |
| 19 | 0.10 | 3 | 1972 | | | |
| 20 | 0.07 | 2 | 1972 | | | |
| 21 | 0.27 | 7 | 1976 | | | |
| 22 | 0.07 | 2 | 1976 | | | |
| 23 | 0.03 | 1 | 1960* | | | |
| 24 | T | T | 1971* | | | |
| 25 | | | | | | |
| 26 | 0.01 | | 1974* | | | |
| 27 | 0.03 | 1 | 1958 | | | |
| 28 | 0.35 | 9 | 1974 | | | |
| 29 | 0.13 | 3 | 1974 | | | |
| 30 | 0.60 | 15 | 1957 | | | |
| 31 | 0.01 | | 1957 | | | |
| Monthly | 0.61 | 15 | 1977 | | | |

DIRNAVOCEANMET-SMOS

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

5724 DAILY AMOUNT
MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93115 IMPERIAL BEACH, CA.
STATION STATION NAME

1943-1949 1953-1977
YEARS

NOVEMBER MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|---------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.29 | | 7 1974 | | | |
| 2 | 0.33 | | 8 1957 | | | |
| 3 | 0.16 | | 4 1960 | | | |
| 4 | 0.06 | | 2 1957 | | | |
| 5 | 0.13 | | 4 1960 | | | |
| 6 | 0.51 | | 13 1969 | | | |
| 7 | 1.31 | | 33 1966 | | | |
| 8 | 0.17 | | 4 1972 | | | |
| 9 | 0.28 | | 7 1964 | | | |
| 10 | 0.14 | | 4 1958 | | | |
| 11 | 0.62 | | 16 1972 | | | |
| 12 | 0.80 | | 20 1976 | | | |
| 13 | 0.23 | | 6 1960 | | | |
| 14 | 0.34 | | 9 1963 | | | |
| 15 | 1.73 | | 44 1963 | | | |
| 16 | 0.98 | | 23 1963 | | | |
| 17 | 0.66 | | 17 1964 | | | |
| 18 | 0.52 | | 13 1963 | | | |
| 19 | 0.47 | | 12 1967 | | | |
| 20 | 1.89 | | 48 1963 | | | |
| 21 | 1.06 | | 27 1967 | | | |
| 22 | 1.77 | | 43 1963 | | | |
| 23 | 0.68 | | 17 1963 | | | |
| 24 | 0.07 | | 2 1961 | | | |
| 25 | 0.40 | | 10 1961 | | | |
| 26 | 0.73 | | 19 1967 | | | |
| 27 | 0.50 | | 13 1973 | | | |
| 28 | 0.53 | | 13 1973 | | | |
| 29 | 1.30 | | 38 1970 | | | |
| 30 | 0.19 | | 5 1970 | | | |
| 31 | | | | | | |
| Monthly | 1.89 | | 48 1963 | | | |

DECEMBER MONTH

| DAY | PRECIPITATION GREATEST | | | SNOWFALL GREATEST | | |
|---------|---------------------------|----|---------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.08 | | 2 1961 | | | |
| 2 | 0.74 | | 19 1961 | | | |
| 3 | 0.56 | | 14 1966 | | | |
| 4 | 0.98 | | 23 1972 | | | |
| 5 | 0.83 | | 22 1966 | | | |
| 6 | 0.77 | | 20 1966 | | | |
| 7 | 0.33 | | 9 1972 | | | |
| 8 | 0.30 | | 8 1972 | | | |
| 9 | 1.42 | | 36 1963 | | | |
| 10 | 0.09 | | 2 1972 | | | |
| 11 | 0.03 | | 1 1968* | | | |
| 12 | 0.28 | | 7 1973 | | | |
| 13 | 0.21 | | 5 1963 | T | T | 1967 |
| 14 | 0.62 | | 16 1961 | | | |
| 15 | 0.32 | | 8 1963 | | | |
| 16 | 0.52 | | 13 1963 | | | |
| 17 | 0.43 | | 11 1957 | | | |
| 18 | 1.33 | | 34 1967 | | | |
| 19 | 0.69 | | 18 1970 | | | |
| 20 | 0.08 | | 2 1967 | | | |
| 21 | 0.70 | | 18 1970 | | | |
| 22 | 0.34 | | 9 1963 | | | |
| 23 | 0.02 | | 1 1964 | | | |
| 24 | 0.53 | | 14 1939 | | | |
| 25 | 0.28 | | 7 1968 | | | |
| 26 | 0.27 | | 7 1971 | | | |
| 27 | 0.66 | | 17 1964 | | | |
| 28 | 0.63 | | 16 1977 | | | |
| 29 | 0.49 | | 12 1963 | | | |
| 30 | 0.33 | | 9 1976 | | | |
| 31 | 0.48 | | 12 1976 | | | |
| Monthly | 1.42 | | 36 1963 | T | T | 1967 |

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AMOUNTS MAR 1978

NWSD, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-46, 48,

55-77
YEARS

DAILY PEAK GUSTS IN KNOTS

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------------|
| 45 | | | | | | | SSW 28 | | | | NNW 18 | | |
| 46 | | | NNW 44 | WSW 30 | | | | | | | | | |
| 47 | | | | | | | | | | | | | |
| 48 | | | | S 28 | W 22 | | WSW 22 | NNW 18 | | | | | |
| 49 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | |
| 56 | SE 29 | S 37 | W 24 | W 43 | S 25 | NNW 26 | W 20 | S 25 | W 30 | E 23 | E 38 | 32 | W 43 |
| 57 | E 39 | S 31 | W 29 | W 32 | S 24 | S 24 | SE 27 | NE 21 | SSW 30 | SE 27 | S 46 | 40 | E 46 |
| 58 | E 31 | S 35 | WSW 36 | WSW 48 | S 25 | SW 19 | NNW 20 | SSW 21 | SE 22 | W 29 | NE 51 | 34 | W 51 |
| 59 | SSE 48 | S 38 | E 36 | S 25 | W 24 | SW 22 | SW 26 | E 26 | NE 28 | SE 29 | SW 37 | 39 | SSE 48 |
| 60 | NW 34 | NW 34 | NW 22 | SW 34 | SW 26 | SW 26 | NNW 22 | NNW 18 | WSW 18 | NW 24 | SE 38 | 35 | NW 38 |
| 61 | SE 34 | SE 24 | NE 32 | SW 23 | NW 21 | SW 22 | SW 26 | WSW 24 | SE 19 | SE 33 | SSW 38 | 30 | SE 38 |
| 62 | SE 42 | NNW 36 | NW 36 | SW 25 | WSW 28 | SW 27 | | SSW 22 | NW 16 | SSW 18 | SE 18 | 26 | |
| 63 | E 32 | S 30 | W 33 | SSW 32 | SSW 17 | S 22 | W 17 | SE 17 | NW 24 | W 16 | ESE 29 | 34 | ESE 34 |
| 64 | E 27 | WSW 35 | NW 29 | NNW 22 | W 22 | S 21 | W 16 | S 22 | SSW 20 | E 26 | SSW 31 | 22 | WSW 35 |
| 65 | ESE 26 | W 22 | ESE 24 | SW 29 | S 22 | W 21 | SSW 16 | SW 19 | W 21 | E 29 | W 27 | 32 | W 32 |
| 66 | W 30 | W 28 | S 33 | W 26 | SW 18 | W 17 | SW 17 | SW 18 | E 17 | S 28 | S 31 | 25 | W 33 |
| 67 | S 25 | E 20 | S 24 | NW 32 | NW 18 | NW 20 | SW 19 | S 20 | E 25 | SE 26 | SE 30 | 30 | NW 32 |
| 68 | E 30 | SW 34 | S 31 | SW 29 | W 20 | NW 20 | SW 18 | NW 17 | SW 21 | NW 20 | NW 28 | 29 | SW 34 |
| 69 | S 33 | S 33 | W 28 | W 20 | S 20 | SW 17 | W 17 | NW 18 | S 21 | E 33 | NW 22 | S 33 | |
| 70 | E 35 | E 36 | W 24 | S 23 | S 18 | SW 21 | S 20 | E 16 | E 25 | SE 32 | SSE 35 | 29 | SE 36 |
| 71 | W 33 | 14 21 | 11 27 | 28 24 | 19 23 | 21 18 | 21 18 | 21 19 | 21 19 | 28 41 | 16 31 | 30 28 | 41 |
| 72 | 10 35 | 12 30 | 21 22 | 24 23 | 20 20 | 15 24 | 19 18 | 19 21 | 16 18 | 24 28 | 24 37 | 27 24 | 37 |
| 73 | 28 27 | 24 31 | 26 29 | 09 26 | 33 20 | 20 16 | 21 15 | 21 24 | 22 20 | 09 16 | 12 23 | 29 24 | 31 |
| 74 | 17 44 | 09 28 | 24 33 | 31 21 | 29 21 | 12 20 | 30 17 | 20 18 | 21 17 | 29 25 | 11 25 | 21 32 | 44 |
| 75 | 09 24 | 15 19 | 18 26 | 15 25 | 24 24 | 16 16 | 21 19 | 20 22 | 10 23 | 15 29 | 29 43 | 15 29 | 43 |
| 76 | 11 35 | 17 33 | 29 37 | 29 34 | 23 18 | 17 21 | 20 15 | 18 18 | 19 19 | 30 15 | 10 31 | 28 29 | 37 |
| 77 | 07 29 | 30 26 | 28 26 | 23 19 | 17 37 | 24 16 | 21 23 | 18 26 | 32 18 | 22 17 | 27 16 | | |
| MEAN | 32.8 | 30.0 | 29.8 | 28.0 | 22.3 | 20.7 | 19.8 | 20.4 | 21.3 | 25.1 | 31.9 | 30.2 | 38.3 |
| S. D. | 6.142 | 5.827 | 5.657 | 6.937 | 4.332 | 3.298 | 3.892 | 3.012 | 4.154 | 6.465 | 8.743 | 4.665 | 5.823 |
| TOTAL OBS. | 680 | 621 | 711 | 718 | 711 | 656 | 710 | 708 | 655 | 681 | 685 | 647 | 8183 |

NAYWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-46, 48,

55-77
YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|------|------|------|------|-----|------|------------|------|------|------|------|------|---------------|
| 45 | | | | 0 | | 0 | | 0 | 0 | 0 | | 0 | WINDS DAYS |
| 46 | 0 | 0 | | | 0 | | | | | | | | WINDS DAYS |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 | 0 | WINDS DAYS |
| 48 | | | | | | 0 | | | | | | | WINDS DAYS |
| 49 | 0 | | | | | | | | | | | | WINDS DAYS |
| 55 | | | | | | | | | | | 5 | 32 | WINDS DAYS |
| 62 | | | | | | | N 18 24 | | | | 0 | 10 | WINDS DAYS |
| 77 | | | | | | | | | | | 10 | 44 | WINDS DAYS |
| | | | | | | | | | | | | 25 | |
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| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 73 YEARS JAN MONTH 01 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | 25.0 | | | | | | | | | | 25.0 | 4.0 |
| E | | 25.0 | | | | | | | | | | 25.0 | 6.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | 50.0 | | | | | | | | 50.0 | 12.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | 50.0 | | 50.0 | | | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS 4

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93115 STATION NAME IMPERIAL BEACH, CALIFORNIA YEARS 73 MONTH JAN
CLASS ALL WEATHER HOURS (L.S.T.) 04
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | 40.0 | 20.0 | | | | | | | | | 60.0 | 5.7 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | 20.0 | | | | | | | | | 20.0 | 10.0 |
| WNW | | | | 20.0 | | | | | | | | 20.0 | 14.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | 40.0 | 40.0 | 20.0 | | | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS. 5

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | | | .7 | | | | | | | | 1.3 | 6.5 |
| NNE | 3.3 | 2.0 | 1.3 | | | | | | | | | 6.6 | 4.5 |
| NE | 3.3 | 5.9 | | | | | | | | | | 9.2 | 4.1 |
| ENE | 4.6 | 5.3 | 1.3 | .7 | | | | | | | | 11.8 | 4.7 |
| E | 2.0 | 17.1 | 21.1 | .7 | | | | | | | | 40.8 | 6.7 |
| ESE | 1.3 | 1.3 | 3.3 | 1.3 | | | | | | | | 7.2 | 7.3 |
| SE | | .7 | | .7 | | | | | | | | 1.3 | 8.5 |
| SSE | .7 | .7 | | | | | | | | | | 1.3 | 3.0 |
| S | | .7 | .7 | | | | | | | | | 1.3 | 6.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | .7 | | | | | | | | | .7 | 10.0 |
| WSW | | .7 | | .7 | | | | | | | | 1.3 | 8.5 |
| W | .7 | .7 | 1.3 | .7 | | | | | | | | 3.3 | 7.4 |
| WNW | .7 | 2.0 | | .7 | | | | | | | | 3.3 | 6.0 |
| NW | | .7 | | | | | | | | | | .7 | 4.0 |
| NNW | .7 | .7 | | | | | | | | | | 1.3 | 3.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.6 | |
| | 17.8 | 38.2 | 29.6 | 5.9 | | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 152

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | 4.5 | .6 | | | | | | | | | 6.5 | 4.6 |
| NNE | 3.9 | 3.2 | | | | | | | | | | 7.1 | 3.9 |
| NE | .6 | .6 | | | | | | | | | | 1.3 | 3.3 |
| ENE | .6 | 5.8 | .6 | | | | | | | | | 7.1 | 4.8 |
| E | 6.5 | 9.7 | 5.2 | 3.2 | | | | | | | | 24.5 | 6.4 |
| ESE | 1.3 | 3.2 | 2.6 | 1.9 | .6 | .6 | | | | | | 10.3 | 9.1 |
| SE | | .6 | .6 | | | | | | | | | 1.3 | 7.3 |
| SSE | | | | .6 | | | | | | | | .6 | 15.0 |
| S | 1.9 | 2.6 | 1.3 | .6 | | | | | | | | 6.5 | 6.0 |
| SSW | 2.6 | 1.9 | 1.3 | | | | | | | | | 5.8 | 4.7 |
| SW | | | | | | | | | | | | | |
| WSW | 1.9 | 3.9 | 1.3 | | | | | | | | | 7.1 | 4.9 |
| W | 1.9 | .6 | | .6 | | | | | | | | 3.2 | 5.6 |
| WNW | 2.6 | .6 | 1.3 | | | | | | | | | 4.5 | 4.6 |
| NW | .6 | 1.3 | | | | | | | | | | 1.9 | 4.0 |
| NNW | 2.6 | | | .6 | | | | | | | | 3.2 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.0 | |
| | 28.4 | 38.7 | 14.8 | 7.7 | .6 | .6 | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | .6 | | | | | | | .6 | 20.0 |
| E | | | 1.3 | | | | | | | | | 1.3 | 9.0 |
| ESE | | | | .6 | 1.3 | .6 | | | | | | 2.6 | 18.8 |
| SE | | | | .6 | | | | | | | | .6 | 14.0 |
| SSE | | | | | | | | | | | | | |
| S | .6 | .6 | 1.9 | 1.9 | | | | | | | | 5.2 | 9.5 |
| SSW | | 1.9 | 6.5 | | | | | | | | | 8.4 | 7.8 |
| SW | 1.9 | 3.2 | 5.2 | | | | | | | | | 10.3 | 6.1 |
| WSW | .6 | 5.8 | 1.9 | .6 | | | | | | | | 9.0 | 6.0 |
| W | 1.3 | 12.3 | 8.4 | 1.9 | | | | | | | | 23.9 | 6.5 |
| WNW | 2.6 | 8.4 | 7.7 | 1.3 | | | | | | | | 20.0 | 6.3 |
| NW | 1.9 | 7.7 | 5.8 | | | | | | | | | 15.5 | 6.1 |
| NNW | | 1.9 | | .6 | | | | | | | | 2.6 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 9.0 | 41.9 | 38.7 | 7.7 | 1.9 | .6 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .7 | | | | | | | | | .7 | 8.0 |
| NNE | .7 | | | | | | | | | | | .7 | 3.0 |
| NE | | | | | | | | | | | | | |
| ENE | | .7 | | .7 | | | | | | | | 1.3 | 10.0 |
| E | | .7 | 1.3 | | | | | | | | | 2.0 | 7.3 |
| ESE | | .7 | 1.3 | | .7 | | | | | | | 2.6 | 10.5 |
| SE | | | | | | | | | | | | | |
| SSE | | | .7 | | .7 | | | | | | | 1.3 | 14.0 |
| S | | .7 | 1.3 | .7 | .7 | | | | | | | 3.3 | 10.4 |
| SSW | .7 | 3.3 | 5.3 | | | | | | | | | 9.2 | 6.4 |
| SW | 1.3 | 5.3 | 2.6 | | | | | | | | | 9.2 | 5.4 |
| WSW | 3.3 | 2.6 | | | | | | | | | | 5.9 | 3.4 |
| W | 4.6 | 15.1 | .7 | | | | | | | | | 20.4 | 4.7 |
| WNW | 3.9 | 12.5 | 5.3 | 2.0 | | | | | | | | 23.7 | 5.9 |
| NW | 1.3 | 5.9 | 7.9 | | | | | | | | | 15.1 | 6.3 |
| NNW | 1.3 | 2.0 | | | | | | | | | | 3.3 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 17.1 | 49.3 | 27.0 | 3.3 | 2.0 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS

152

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.4 | 2.6 | | | | | | | | | | 6.0 | 3.3 |
| NNE | 2.6 | .9 | | | | | | | | | | 3.4 | 2.8 |
| NE | 1.7 | .9 | | | | | | | | | | 2.6 | 2.3 |
| ENE | | 1.7 | | | | | | | | | | 1.7 | 4.0 |
| E | 5.2 | 2.6 | 1.7 | | | | | | | | | 9.3 | 3.8 |
| ESE | 3.4 | 1.7 | .9 | | | | | | | | | 6.0 | 3.7 |
| SE | 2.6 | .9 | | | | | | | | | | 3.4 | 3.0 |
| SSE | .9 | | | | | | | | | | | .9 | 3.0 |
| S | 3.4 | .9 | 1.7 | | .9 | | | | | | | 6.9 | 6.3 |
| SSW | 1.7 | 1.7 | | | | | | | | | | 3.4 | 3.3 |
| SW | .9 | .9 | .9 | | | | | | | | | 2.6 | 4.7 |
| WSW | 1.7 | 1.7 | .9 | | | | | | | | | 4.3 | 4.6 |
| W | .9 | .9 | 1.7 | 1.7 | | | | | | | | 5.2 | 8.8 |
| WNW | 3.4 | | | | | | | | | | | 3.4 | 2.8 |
| NW | 3.4 | 2.6 | | | | | | | | | | 6.0 | 3.0 |
| NNW | 2.6 | 3.4 | | | | | | | | | | 6.0 | 3.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.4 | |
| | 37.9 | 23.3 | 7.8 | 1.7 | .9 | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

JAN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | 6.7 | | | | | | | | | | 6.7 | 5.0 |
| NE | | | | | | | | | | | | | |
| ENE | 6.7 | 6.7 | | | | | | | | | | 13.3 | 4.0 |
| E | 26.7 | 20.0 | 6.7 | | | | | | | | | 53.3 | 4.3 |
| ESE | 6.7 | | | | | | | | | | | 6.7 | 3.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 6.7 | | | | | | | | | | | 6.7 | 2.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | 6.7 | | | | | | | | | | | 6.7 | 1.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.7 | |
| | 53.3 | 33.3 | 6.7 | | | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS

15

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.3 | .3 | .1 | | | | | | | | 2.7 | 4.5 |
| NNE | 2.0 | 1.3 | .3 | | | | | | | | | 3.6 | 4.0 |
| NE | 1.1 | 1.5 | | | | | | | | | | 2.5 | 3.7 |
| ENE | 1.2 | 2.9 | .4 | .3 | .1 | | | | | | | 4.9 | 5.3 |
| E | 3.1 | 6.8 | 6.4 | .8 | | | | | | | | 17.0 | 6.2 |
| ESE | 1.2 | 1.3 | 1.6 | .8 | .5 | .3 | | | | | | 5.7 | 8.7 |
| SE | .4 | .4 | .1 | .3 | | | | | | | | 1.2 | 6.4 |
| SSE | .3 | .1 | .1 | .1 | .1 | | | | | | | .8 | 8.7 |
| S | 1.2 | 1.1 | 1.3 | .7 | .3 | | | | | | | 4.5 | 7.4 |
| SSW | .9 | 1.7 | 2.7 | | | | | | | | | 5.3 | 6.2 |
| SW | .8 | 1.9 | 1.9 | | | | | | | | | 4.5 | 5.8 |
| WSW | 1.5 | 2.9 | .8 | .3 | | | | | | | | 5.4 | 5.1 |
| W | 2.0 | 6.0 | 2.5 | 1.2 | | | | | | | | 11.7 | 6.1 |
| WNW | 2.5 | 4.8 | 2.9 | .9 | | | | | | | | 11.1 | 5.9 |
| NW | 1.3 | 3.6 | 2.8 | | | | | | | | | 7.7 | 5.7 |
| NNW | 1.3 | 1.5 | | .3 | | | | | | | | 3.1 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.4 | |
| | 21.6 | 39.0 | 24.0 | 5.7 | 1.1 | .3 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS

754

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

FEB
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | 100.0 | | | | | | | | | 100.0 | 8.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | | 100.0 | | | | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

MOORE (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | 2.9 | 2.2 | | | | | | | | | | 5.1 | 4.0 |
| NE | 5.1 | 2.9 | .7 | | | | | | | | | 8.8 | 3.8 |
| ENE | 4.4 | 8.8 | 2.9 | | | | | | | | | 16.2 | 5.0 |
| E | 6.6 | 16.2 | 14.7 | 2.2 | | | | | | | | 39.7 | 6.3 |
| ESE | .7 | 2.2 | 1.5 | | | | | | | | | 4.4 | 5.3 |
| SE | .7 | .7 | | .7 | | | | | | | | 2.2 | 7.3 |
| SSE | .7 | .7 | | | | | | | | | | 1.5 | 3.5 |
| S | .7 | 1.5 | .7 | .7 | | | | | | | | 3.7 | 6.2 |
| SSW | .7 | .7 | .7 | | | | | | | | | 2.2 | 5.0 |
| SW | .7 | | | | | | | | | | | .7 | 2.0 |
| WSW | | .7 | | | | | | | | | | .7 | 6.0 |
| W | | 2.2 | 1.5 | | | | | | | | | 3.7 | 6.2 |
| WNW | | .7 | 2.9 | | | | | | | | | 3.7 | 7.2 |
| NW | | | | | | | | | | | | | |
| NNW | | .7 | | | | | | | | | | .7 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.6 | |
| | 23.5 | 40.4 | 25.7 | 3.7 | | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS

136

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 5.0 | 2.1 | 1.4 | | | | | | | | | 8.5 | 3.6 |
| NNE | 2.8 | 3.5 | .7 | | | | | | | | | 7.1 | 3.8 |
| NE | .7 | 1.4 | | | | | | | | | | 2.1 | 4.0 |
| ENE | 4.3 | 2.1 | 1.4 | | | | | | | | | 7.8 | 4.0 |
| E | 2.8 | 7.8 | .7 | | .7 | | | | | | | 12.1 | 5.5 |
| ESE | .7 | 4.3 | .7 | 2.8 | 1.4 | | | | | | | 9.9 | 9.2 |
| SE | | | .7 | | | | | | | | | .7 | 8.0 |
| SSE | | | .7 | | | | | | | | | .7 | 10.0 |
| S | .7 | .7 | 2.8 | 1.4 | .7 | | | | | | | 6.4 | 9.3 |
| SSW | .7 | 2.8 | 2.1 | | | | | | | | | 5.7 | 5.4 |
| SW | 1.4 | 2.1 | | | | | | | | | | 3.5 | 4.2 |
| WSW | .7 | 2.8 | .7 | | | | | | | | | 4.3 | 5.0 |
| W | 3.5 | 3.5 | | | | | | | | | | 7.1 | 3.4 |
| WNW | 1.4 | 4.3 | 1.4 | | | | | | | | | 7.1 | 4.7 |
| NW | 2.8 | 1.4 | .7 | | | | | | | | | 5.0 | 3.7 |
| NNW | 2.1 | 1.4 | .7 | .7 | | | | | | | | 5.0 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.1 | |
| | 29.8 | 40.4 | 14.9 | 5.0 | 2.8 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | .7 | | | | | | | | | | .7 | 6.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | 1.4 | | | | | | | | | | 1.4 | 5.5 |
| ESE | | .7 | | 2.1 | 1.4 | | | | | | | 4.3 | 14.3 |
| SE | .7 | | | | | | | | | | | .7 | 2.0 |
| SSE | | .7 | | | | | | | | | | .7 | 5.0 |
| S | | 1.4 | 3.5 | 2.1 | | | | | | | | 7.1 | 9.8 |
| SSW | | 1.4 | 2.1 | | | | | | | | | 3.5 | 6.4 |
| SW | | 2.1 | 2.1 | | .7 | | | | | | | 5.0 | 8.0 |
| WSW | 1.4 | 6.4 | 5.7 | .7 | | | | | | | | 14.2 | 6.3 |
| W | 1.4 | 12.8 | 13.5 | .7 | | | | | | | | 28.4 | 6.9 |
| WNW | | 5.7 | 16.3 | .7 | | | | | | | | 22.7 | 7.6 |
| NW | .7 | 2.8 | 5.0 | 1.4 | | | | | | | | 9.9 | 7.6 |
| NNW | | .7 | | | | | | | | | | .7 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 4.3 | 36.9 | 48.2 | 7.8 | 2.1 | | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | | .7 | .7 | | | | | | | | 2.2 | 8.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | .7 | | | | | | | | .7 | 14.0 |
| ESE | | | | .7 | | | | | | | | .7 | 14.0 |
| SE | | | .7 | | | | | | | | | .7 | 10.0 |
| SSE | | | .7 | | | | | | | | | .7 | 8.0 |
| S | .7 | 2.9 | 2.9 | .7 | | | | | | | | 7.4 | 7.0 |
| SSW | 1.5 | 2.2 | .7 | | | | | | | | | 4.4 | 4.7 |
| SW | .7 | 6.6 | | | | | | | | | | 7.4 | 5.0 |
| WSW | 2.2 | 6.6 | 2.2 | | | | | | | | | 11.0 | 5.0 |
| W | .7 | 11.8 | 8.1 | .7 | | | | | | | | 21.3 | 6.4 |
| WNW | 4.4 | 8.1 | 11.0 | | | | | | | | | 23.5 | 6.2 |
| NW | | 4.4 | 8.1 | .7 | | | | | | | | 13.2 | 7.3 |
| NNW | .7 | 1.5 | 2.9 | | | | | | | | | 5.1 | 6.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.5 | |
| | 11.8 | 44.1 | 38.2 | 4.4 | | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 136

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.9 | | | | | | | | | | | 1.9 | 2.5 |
| NNE | | | | | | | | | | | | | |
| NE | .9 | .9 | | | | | | | | | | 1.9 | 3.0 |
| ENE | | .9 | | | | | | | | | | .9 | 5.0 |
| E | 1.9 | .9 | | .9 | | | | | | | | 3.7 | 5.3 |
| ESE | .9 | .9 | .9 | | .9 | | | | | | | 3.7 | 9.0 |
| SE | | | .9 | | | | | | | | | .9 | 7.0 |
| SSE | 1.9 | .9 | | | | | | | | | | 2.8 | 2.7 |
| S | 4.7 | 3.7 | .9 | .9 | | | | | | | | 10.3 | 4.6 |
| SSW | .9 | 1.9 | .9 | | | | | | | | | 3.7 | 6.0 |
| SW | | .9 | | | | | | | | | | .9 | 5.0 |
| WSW | | .9 | | | | | | | | | | .9 | 5.0 |
| W | 6.5 | 1.9 | | | | | | | | | | 8.4 | 2.9 |
| WNW | .9 | 1.9 | 1.9 | | | | | | | | | 4.7 | 5.0 |
| NW | 6.5 | 7.5 | 1.9 | | | | | | | | | 15.9 | 3.9 |
| NNW | 2.8 | 2.8 | .9 | | | | | | | | | 6.5 | 3.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 32.7 | |
| | 29.9 | 26.2 | 8.4 | 1.9 | .9 | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 107

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | 10.0 | 30.0 | 10.0 | | | | | | | | | 50.0 | 5.0 |
| ESE | 10.0 | | | | | | | | | | | 10.0 | 3.0 |
| SE | 10.0 | | | | | | | | | | | 10.0 | 3.0 |
| SSE | 10.0 | | | | | | | | | | | 10.0 | 2.0 |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | 10.0 | | | | | | | | | | | 10.0 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 50.0 | 30.0 | 10.0 | | | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 10

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.5 | .4 | .4 | .1 | | | | | | | | 2.5 | 4.2 |
| NNE | 1.2 | 1.3 | .1 | | | | | | | | | 2.7 | 4.0 |
| NE | 1.3 | 1.0 | .1 | | | | | | | | | 2.5 | 3.7 |
| ENE | 1.8 | 2.4 | .9 | | | | | | | | | 5.1 | 4.7 |
| E | 2.4 | 5.8 | 3.4 | .7 | .1 | | | | | | | 12.5 | 6.1 |
| ESE | .6 | 1.6 | .6 | 1.2 | .7 | | | | | | | 4.8 | 9.4 |
| SE | .4 | .1 | .4 | .1 | | | | | | | | 1.2 | 6.5 |
| SSE | .6 | .4 | .3 | | | | | | | | | 1.3 | 4.4 |
| S | 1.2 | 1.9 | 2.2 | 1.2 | .1 | | | | | | | 6.7 | 7.4 |
| SSW | .7 | 1.8 | 1.3 | | | | | | | | | 3.9 | 5.5 |
| SW | .6 | 2.4 | .4 | | .1 | | | | | | | 3.6 | 5.6 |
| WSW | .9 | 3.6 | 1.8 | .1 | | | | | | | | 6.4 | 5.6 |
| W | 2.2 | 6.5 | 4.8 | .3 | | | | | | | | 13.8 | 5.9 |
| WNW | 1.3 | 4.2 | 6.8 | .1 | | | | | | | | 12.5 | 6.5 |
| NW | 1.8 | 3.0 | 3.1 | .4 | | | | | | | | 8.3 | 5.9 |
| NNW | 1.2 | 1.3 | .9 | .1 | | | | | | | | 3.6 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.6 | |
| | 19.8 | 37.9 | 27.8 | 4.6 | 1.2 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 672

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.3 | .7 | | | | | | | | | 2.6 | 5.3 |
| NNE | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| NE | 2.0 | 3.3 | | | | | | | | | | 5.3 | 3.9 |
| ENE | 1.3 | 4.0 | .7 | | | | | | | | | 6.0 | 5.2 |
| E | 4.6 | 17.9 | 16.6 | .7 | | | | | | | | 39.7 | 6.0 |
| ESE | 3.3 | 2.6 | 2.0 | .7 | | | | | | | | 8.6 | 5.5 |
| SE | 2.0 | .7 | | | | | | | | | | 2.6 | 3.0 |
| SSE | 2.0 | 1.3 | | .7 | | | | | | | | 4.0 | 5.2 |
| S | .7 | 1.3 | 2.6 | | | | | | | | | 4.6 | 6.3 |
| SSW | | 2.0 | | | | | | | | | | 2.0 | 5.3 |
| SW | .7 | .7 | | | | | | | | | | 1.3 | 4.5 |
| WSW | 2.0 | .7 | 4.0 | | | | | | | | | 6.6 | 6.3 |
| W | | 1.3 | 2.0 | 1.3 | | | | | | | | 4.6 | 8.3 |
| WNW | | 1.3 | .7 | .7 | .7 | | | | | | | 3.3 | 10.4 |
| NW | | 1.3 | | | | | | | | | | 1.3 | 5.5 |
| NNW | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.6 | |
| | 21.9 | 39.7 | 29.1 | 4.0 | .7 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS

151

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2
NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

10
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | .6 | .6 | | | | | | | | | | 1.3 | 3.0 |
| NE | .6 | | | | | | | | | | | .6 | 2.0 |
| ENE | | | .6 | | | | | | | | | .6 | 8.0 |
| E | 1.3 | | | .6 | | | | | | | | 1.9 | 6.3 |
| ESE | | .6 | 1.3 | | | | | | | | | 1.9 | 6.7 |
| SE | | .6 | | | | | | | | | | .6 | 5.0 |
| SSE | | .6 | .6 | .6 | | | | | | | | 1.9 | 8.7 |
| S | .6 | 2.6 | 2.6 | 4.5 | | | | | | | | 10.3 | 8.9 |
| SSW | 1.3 | 3.2 | 3.9 | 1.3 | | | | | | | | 9.7 | 6.9 |
| SW | .6 | 7.1 | 3.2 | | | | | | | | | 11.0 | 5.5 |
| WSW | 1.9 | 5.2 | 3.2 | 1.9 | | | | | | | | 12.3 | 6.6 |
| W | 3.9 | 7.7 | 3.9 | 1.9 | | | | | | | | 17.4 | 6.0 |
| WNW | | 10.3 | 1.9 | | | | | | | | | 12.3 | 5.6 |
| NW | | 7.7 | 1.9 | .6 | | | | | | | | 10.3 | 6.5 |
| NNW | 1.3 | 3.9 | 1.3 | | | | | | | | | 6.5 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 12.3 | 50.3 | 24.5 | 11.6 | | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | .6 | | | | | | | | | .6 | 8.0 |
| SSE | | | | .6 | | | | | | | | .6 | 16.0 |
| S | .6 | .6 | 1.9 | 2.6 | | | | | | | | 5.8 | 9.2 |
| SSW | | 1.3 | 4.5 | 1.3 | | | | | | | | 7.1 | 8.6 |
| SW | | 1.9 | 5.8 | 1.9 | | | | | | | | 9.7 | 8.5 |
| WSW | .6 | 7.1 | 7.1 | 1.3 | | | | | | | | 16.1 | 7.4 |
| W | .6 | 5.8 | 20.0 | 3.9 | | | | | | | | 30.3 | 8.2 |
| WNW | | 1.3 | 13.5 | 5.8 | | | | | | | | 20.6 | 9.3 |
| NW | | 1.3 | 3.2 | 3.9 | | | | | | | | 8.4 | 9.6 |
| NNW | | .6 | | | | | | | | | | .6 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 1.9 | 20.0 | 56.8 | 21.3 | | | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | | .7 | | | | | | | | | 1.4 | 5.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | .7 | | | | | | | | | | .7 | 5.0 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | .7 | | | | | | | | .7 | 12.0 |
| SSE | | | | | | | | | | | | | |
| S | | .7 | 4.1 | 1.4 | | | | | | | | 6.2 | 9.0 |
| SSW | | 1.4 | 4.1 | | | | | | | | | 5.5 | 8.0 |
| SW | .7 | 4.1 | 2.7 | | | | | | | | | 7.5 | 5.6 |
| WSW | 1.4 | 5.5 | 2.7 | | | | | | | | | 9.6 | 5.9 |
| W | 1.4 | 9.6 | 20.5 | 2.1 | .7 | | | | | | | 34.2 | 7.6 |
| WNW | | 6.2 | 9.6 | 3.4 | .7 | | | | | | | 19.9 | 8.4 |
| NW | .7 | .7 | 8.2 | 3.4 | | | | | | | | 13.0 | 9.4 |
| NNW | | | 1.4 | | | | | | | | | 1.4 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 4.8 | 28.8 | 54.1 | 11.0 | 1.4 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS

146

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | 3.3 | | | | | | | | | | 4.9 | 4.3 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | .8 | | | | | | | | | .8 | 7.0 |
| ESE | .8 | | | | | | | | | | | .8 | 3.0 |
| SE | .8 | | | | | | | | | | | .8 | 2.0 |
| SSE | | 1.6 | | .8 | | | | | | | | 2.4 | 7.3 |
| S | 4.1 | 1.6 | | | | | | | | | | 5.7 | 3.4 |
| SSW | 3.3 | .8 | 1.6 | | | | | | | | | 5.7 | 4.4 |
| SW | .8 | 1.6 | .8 | | | | | | | | | 3.3 | 4.5 |
| WSW | 1.6 | 3.3 | .8 | | | | | | | | | 5.7 | 4.4 |
| W | 9.8 | 5.7 | 6.5 | .8 | 2.4 | | | | | | | 25.2 | 6.1 |
| WNW | 1.6 | 8.9 | .8 | 1.6 | | | | | | | | 13.0 | 5.5 |
| NW | 4.1 | 6.5 | 1.6 | | | | | | | | | 12.2 | 4.6 |
| NNW | .8 | 4.1 | | | | | | | | | | 4.9 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.6 | |
| | 29.3 | 37.4 | 13.0 | 3.3 | 2.4 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

123

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | 14.3 | | | | | | | | | | 14.3 | 5.0 |
| ESE | | 14.3 | | | | | | | | | | 14.3 | 4.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | 14.3 | | | | | | | | | 14.3 | 8.0 |
| SW | | 14.3 | | | | | | | | | | 14.3 | 5.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | 14.3 | | 14.3 | | | | | | | | | 28.6 | 5.0 |
| NW | | 14.3 | | | | | | | | | | 14.3 | 6.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 14.3 | 57.1 | 28.6 | | | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 7

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .8 | .3 | | | | | | | | | 1.6 | 4.8 |
| NNE | .4 | .1 | | | | | | | | | | .5 | 2.5 |
| NE | .5 | .7 | | | | | | | | | | 1.2 | 3.7 |
| ENE | .3 | .9 | .3 | | | | | | | | | 1.5 | 5.5 |
| E | 1.2 | 3.8 | 3.5 | .3 | | | | | | | | 8.8 | 6.0 |
| ESE | .8 | .8 | .7 | .1 | | | | | | | | 2.4 | 5.4 |
| SE | .5 | .3 | .1 | .1 | | | | | | | | 1.1 | 4.9 |
| SSE | .4 | .7 | .1 | .5 | | | | | | | | 1.8 | 7.3 |
| S | 1.1 | 1.4 | 2.3 | 1.8 | | | | | | | | 6.5 | 7.8 |
| SSW | .8 | 1.8 | 3.0 | .5 | | | | | | | | 6.1 | 7.1 |
| SW | .5 | 3.3 | 2.6 | .4 | | | | | | | | 6.8 | 6.3 |
| WSW | 1.5 | 4.3 | 3.7 | .7 | | | | | | | | 10.2 | 6.5 |
| W | 2.8 | 6.0 | 10.6 | 2.0 | .5 | | | | | | | 22.0 | 7.3 |
| WNW | .4 | 5.4 | 5.6 | 2.3 | .3 | | | | | | | 14.0 | 7.8 |
| NW | .8 | 3.5 | 3.0 | 1.6 | | | | | | | | 9.0 | 7.5 |
| NNW | .7 | 1.6 | .5 | | | | | | | | | 2.8 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.7 | |
| | 13.4 | 35.4 | 36.2 | 10.4 | .8 | | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS

737

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

74
YEARS

APR
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | 33.3 | | | | | | | | | | | 33.3 | 2.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | 33.3 | | | | | | | | | | | 33.3 | 3.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.3 | |
| | 66.7 | | | | | | | | | | | 100.0 | 1.7 |

TOTAL NUMBER OF OBSERVATIONS

3

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 74 YEARS APR MONTH 04 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | 100.0 | | | | | | | | | | 100.0 | 4.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | 100.0 | | | | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | .7 | | | | | | | | | | 2.0 | 3.7 |
| NNE | 2.0 | .7 | | | | | | | | | | 2.7 | 3.3 |
| NE | 2.0 | 2.7 | | | | | | | | | | 4.8 | 4.0 |
| ENE | 2.7 | 2.0 | 2.0 | | | | | | | | | 6.8 | 4.5 |
| E | 7.5 | 15.6 | 6.1 | | .7 | | | | | | | 29.9 | 5.6 |
| ESE | 4.1 | 2.7 | 1.4 | | | | | | | | | 8.2 | 4.4 |
| SE | .7 | | | | | | | | | | | .7 | 3.0 |
| SSE | .7 | 1.4 | .7 | | | | | | | | | 2.7 | 4.5 |
| S | 2.0 | | | | | | | | | | | 2.0 | 2.3 |
| SSW | 1.4 | 2.7 | | | | | | | | | | 4.1 | 4.7 |
| SW | 1.4 | 3.4 | .7 | | | | | | | | | 5.4 | 4.6 |
| WSW | .7 | | .7 | .7 | | | | | | | | 2.0 | 8.3 |
| W | 1.4 | 2.0 | 4.1 | | | | | | | | | 7.5 | 6.8 |
| WNW | 1.4 | 3.4 | 2.0 | | | | | | | | | 6.8 | 5.4 |
| NW | | 1.4 | | .7 | | | | | | | | 2.0 | 8.0 |
| NNW | .7 | | | .7 | | | | | | | | 1.4 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.9 | |
| | 29.9 | 38.8 | 17.7 | 2.0 | .7 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

147

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .7 | | | | | | | | | .7 | 8.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | .7 | | | | | | | | | | .7 | 4.0 |
| E | | .7 | | .7 | | | | | | | | 1.3 | 9.5 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .7 | .7 | .7 | | | | | | | | 2.0 | 10.0 |
| SSW | .7 | 4.0 | 4.7 | 1.3 | | | | | | | | 10.7 | 7.3 |
| SW | .7 | 3.4 | 6.7 | .7 | | | | | | | | 11.4 | 7.4 |
| WSW | 2.0 | 10.1 | 1.3 | .7 | | | | | | | | 14.1 | 5.3 |
| W | | 9.4 | 9.4 | .7 | | | | | | | | 19.5 | 6.9 |
| WNW | 2.7 | 14.1 | 10.1 | | | | | | | | | 26.8 | 6.3 |
| NW | 4.0 | 2.0 | 3.4 | 1.3 | | | | | | | | 10.7 | 6.3 |
| NNW | .7 | | .7 | | | | | | | | | 1.3 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 10.7 | 45.0 | 37.6 | 6.0 | | | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | .7 | | | | | | | | .7 | 16.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | .7 | | | | | | | | .7 | 15.0 |
| SSW | | | 6.0 | 2.0 | | | | | | | | 8.1 | 9.4 |
| SW | | .7 | 6.7 | .7 | | | | | | | | 8.1 | 8.6 |
| WSW | | 6.7 | 10.7 | 2.7 | | | | | | | | 20.1 | 7.8 |
| W | | 6.7 | 20.8 | 2.0 | | | | | | | | 29.5 | 8.0 |
| WNW | | 4.7 | 14.8 | 6.0 | | | | | | | | 25.5 | 9.0 |
| NW | | .7 | 4.0 | 2.7 | | | | | | | | 7.4 | 10.1 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | 19.5 | 63.1 | 17.4 | | | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93115 STATION NAME IMPERIAL BEACH, CALIFORNIA YEARS 73-77 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 16
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | .7 | | | | | | | | .7 | 15.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | .7 | | | | | | | | | .7 | 9.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | .7 | | | | | | | | .7 | 15.0 |
| S | .7 | | 1.4 | 1.4 | | | | | | | | 3.6 | 8.6 |
| SSW | | 2.9 | 2.9 | | | | | | | | | 5.7 | 6.8 |
| SW | .7 | 2.9 | 5.7 | .7 | | | | | | | | 10.0 | 7.1 |
| WSW | | 5.0 | 3.6 | | | | | | | | | 8.6 | 6.8 |
| W | 1.4 | 13.6 | 17.9 | 1.4 | | | | | | | | 34.3 | 6.8 |
| WNW | .7 | 5.0 | 17.1 | 2.9 | | | | | | | | 25.7 | 8.5 |
| NW | | .7 | 7.9 | .7 | | | | | | | | 9.3 | 8.9 |
| NNW | | .7 | | | | | | | | | | .7 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 3.6 | 30.7 | 57.1 | 8.6 | | | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 140

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .8 | | | | | | | | | .8 | 7.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | .8 | | | | | | | | .8 | 11.0 |
| SSE | .8 | | | | | | | | | | | .8 | 2.0 |
| S | .8 | 4.0 | 1.6 | | | | | | | | | 6.3 | 5.3 |
| SSW | 2.4 | .8 | 1.6 | | | | | | | | | 4.8 | 4.3 |
| SW | 4.0 | 4.0 | 1.6 | | | | | | | | | 9.5 | 4.1 |
| WSW | 2.4 | 2.4 | .8 | .8 | | | | | | | | 6.3 | 5.0 |
| W | 11.1 | 7.9 | 3.2 | .8 | .8 | | | | | | | 23.8 | 4.7 |
| WNW | 6.3 | 5.6 | 3.2 | | | | | | | | | 15.1 | 4.5 |
| NW | 4.0 | 10.3 | 4.8 | | | | | | | | | 19.0 | 5.3 |
| NNW | .8 | 2.4 | | | | | | | | | | 3.2 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.5 | |
| | 32.5 | 37.3 | 17.5 | 2.4 | .8 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS

126

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | 5.0 | | | | | | | | | | | 5.0 | 3.0 |
| E | | 5.0 | | | | | | | | | | 5.0 | 5.0 |
| ESE | 10.0 | 5.0 | | | | | | | | | | 15.0 | 2.7 |
| SE | | 5.0 | | | | | | | | | | 5.0 | 5.0 |
| SSE | 5.0 | 5.0 | | | | | | | | | | 10.0 | 3.5 |
| S | 15.0 | | | | | | | | | | | 15.0 | 2.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | 5.0 | | | | | | | | | | 5.0 | 5.0 |
| WNW | | 15.0 | 5.0 | | | | | | | | | 20.0 | 5.8 |
| NW | 5.0 | | | | | | | | | | | 5.0 | 3.0 |
| NNW | | 5.0 | | | | | | | | | | 5.0 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 40.0 | 45.0 | 5.0 | | | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS

20

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .1 | .3 | | | | | | | | | .7 | 5.2 |
| NNE | .5 | .1 | | .1 | | | | | | | | .8 | 5.0 |
| NE | .4 | .5 | | .1 | | | | | | | | 1.1 | 5.5 |
| ENE | .7 | .5 | .4 | | | | | | | | | 1.6 | 4.3 |
| E | 1.6 | 3.5 | 1.2 | .1 | .1 | | | | | | | 6.7 | 5.7 |
| ESE | 1.1 | .7 | .4 | | | | | | | | | 2.2 | 4.4 |
| SE | .1 | .1 | | .1 | | | | | | | | .4 | 6.3 |
| SSE | .4 | .4 | .1 | .1 | | | | | | | | 1.1 | 5.3 |
| S | 1.1 | .8 | .7 | .5 | | | | | | | | 3.1 | 6.2 |
| SSW | .8 | 2.0 | 3.0 | .7 | | | | | | | | 6.5 | 7.0 |
| SW | 1.2 | 2.7 | 4.2 | .4 | | | | | | | | 8.6 | 6.6 |
| WSW | 1.0 | 4.8 | 3.4 | 1.0 | | | | | | | | 10.1 | 6.7 |
| W | 2.4 | 7.8 | 10.9 | 1.0 | .1 | | | | | | | 22.2 | 6.7 |
| WNW | 2.0 | 6.8 | 9.4 | 1.8 | | | | | | | | 20.0 | 7.2 |
| NW | 1.6 | 2.7 | 3.8 | 1.1 | | | | | | | | 9.3 | 7.1 |
| NNW | .4 | .7 | .1 | .1 | | | | | | | | 1.4 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.4 | |
| | 15.8 | 34.4 | 38.0 | 7.2 | .3 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS

735

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | 50.0 | | | | | | | | | | | 50.0 | 3.0 |
| WSW | | | | | | | | | | | | | |
| W | 50.0 | | | | | | | | | | | 50.0 | 3.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 100.0 | | | | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS

2

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | 50.0 | | | | | | | | | | | 50.0 | 3.0 |
| SW | 50.0 | | | | | | | | | | | 50.0 | 1.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | .0 | |
| CALM | | | | | | | | | | | | | |
| | 100.0 | | | | | | | | | | | 100.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.9 | .6 | | | | | | | | | | 2.6 | 2.5 |
| NNE | .6 | .6 | | | | | | | | | | 1.3 | 3.5 |
| NE | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| ENE | 1.3 | 1.9 | | | | | | | | | | 3.2 | 3.8 |
| E | 1.9 | 5.2 | 2.6 | | | | | | | | | 9.7 | 5.1 |
| ESE | 1.3 | 2.6 | | | | | | | | | | 3.9 | 4.0 |
| SE | 1.3 | .6 | | | | | | | | | | 1.9 | 3.0 |
| SSE | 1.3 | .6 | .6 | | | | | | | | | 2.6 | 4.3 |
| S | 5.2 | 5.8 | 1.3 | .6 | | | | | | | | 13.0 | 4.5 |
| SSW | 5.8 | 3.2 | | .6 | | | | | | | | 9.7 | 3.7 |
| SW | 1.3 | 2.6 | 1.3 | | | | | | | | | 5.2 | 4.9 |
| WSW | 1.9 | 2.6 | 1.3 | .6 | | | | | | | | 6.5 | 5.7 |
| W | 5.8 | 2.6 | 1.3 | .6 | | | | | | | | 10.4 | 4.6 |
| WNW | 3.2 | 3.2 | .6 | .6 | | | | | | | | 7.8 | 4.8 |
| NW | 2.6 | 2.6 | | | | | | | | | | 5.2 | 3.4 |
| NNW | .6 | 1.3 | | | | | | | | | | 1.9 | 3.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.6 | |
| | 37.7 | 36.4 | 9.1 | 3.2 | | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .6 | 1.9 | 1.3 | | .6 | | | | | | 4.5 | 11.9 |
| SSW | .6 | .6 | 7.8 | | | | | | | | | 9.1 | 7.7 |
| SW | .6 | 5.2 | 9.1 | 1.3 | | | | | | | | 16.2 | 7.4 |
| WSW | | 11.7 | 7.8 | 1.3 | | | | | | | | 20.8 | 6.9 |
| W | 1.3 | 13.6 | 13.6 | .6 | | | | | | | | 29.2 | 6.4 |
| WNW | .6 | 4.3 | 9.7 | .6 | | | | | | | | 15.6 | 7.4 |
| NW | | 1.9 | 1.3 | .6 | | | | | | | | 3.9 | 6.8 |
| NNW | | .6 | | | | | | | | | | .6 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 3.2 | 39.0 | 51.3 | 5.8 | | .6 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | .6 | | | | | | | | .6 | 16.0 |
| S | | | 1.3 | 1.3 | | | | | | | | 2.6 | 10.5 |
| SSW | | .6 | 7.8 | .6 | | | | | | | | 9.1 | 8.9 |
| SW | | 3.2 | 11.0 | 2.6 | | | | | | | | 16.9 | 8.8 |
| WSW | .6 | 6.5 | 12.3 | | .6 | | | | | | | 20.1 | 7.5 |
| W | | 4.5 | 26.0 | 3.9 | | | | | | | | 34.4 | 8.5 |
| WNW | | 1.3 | 7.8 | 3.2 | | | | | | | | 12.3 | 9.0 |
| NW | | | 1.3 | 2.6 | | | | | | | | 3.9 | 11.8 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | .6 | 16.2 | 67.5 | 14.9 | .6 | | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | .8 | 3.1 | 9.4 | 2.4 | | | | | | | | 15.7 | 8.2 |
| SW | | 5.5 | 7.1 | .8 | | | | | | | | 13.4 | 7.0 |
| WSW | | 15.0 | 7.9 | 1.6 | | | | | | | | 24.4 | 6.7 |
| W | .8 | 11.8 | 12.6 | | | | | | | | | 25.2 | 6.9 |
| WNW | | 5.5 | 11.0 | 1.6 | | | | | | | | 18.1 | 8.3 |
| NW | | .8 | 1.6 | | | | | | | | | 2.4 | 7.3 |
| NNW | | | | .8 | | | | | | | | .8 | 15.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 1.6 | 41.7 | 49.6 | 7.1 | | | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 127

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | .9 | | | | | | | | | | | .9 | 3.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 2.6 | 3.4 | 3.4 | | | | | | | | | 9.5 | 5.4 |
| SSW | 2.6 | 5.2 | .9 | | | | | | | | | 8.6 | 4.1 |
| SW | 4.3 | 6.0 | .9 | | | | | | | | | 11.2 | 4.0 |
| WSW | 1.7 | 6.9 | 1.7 | .9 | | | | | | | | 11.2 | 5.5 |
| W | 6.9 | 12.1 | 2.6 | | | | | | | | | 21.6 | 4.5 |
| WNW | 7.8 | 8.6 | 1.7 | | | | | | | | | 18.1 | 4.4 |
| NW | .9 | 6.9 | 4.3 | | | | | | | | | 12.1 | 6.3 |
| NNW | | 1.7 | | | | | | | | | | 1.7 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.2 | |
| | 27.6 | 50.9 | 15.5 | .9 | | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 116

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | 5.0 | | | | | | | | | | 5.0 | 4.0 |
| S | 10.0 | | | | | | | | | | | 10.0 | 2.0 |
| SSW | 15.0 | 10.0 | | | | | | | | | | 25.0 | 3.0 |
| SW | | | | | | | | | | | | | |
| WSW | 5.0 | | | | | | | | | | | 5.0 | 2.0 |
| W | 10.0 | 5.0 | | | | | | | | | | 15.0 | 3.3 |
| WNW | 5.0 | 10.0 | | | | | | | | | | 15.0 | 4.3 |
| NW | 5.0 | 5.0 | | | | | | | | | | 10.0 | 3.0 |
| NNW | 5.0 | | | | | | | | | | | 5.0 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 55.0 | 35.0 | | | | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS

20

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .1 | | | | | | | | | | .5 | 2.5 |
| NNE | .1 | .1 | | | | | | | | | | .3 | 3.5 |
| NE | .4 | | | | | | | | | | | .4 | 2.3 |
| ENE | .3 | .4 | | | | | | | | | | .7 | 3.8 |
| E | .4 | 1.1 | .5 | | | | | | | | | 2.1 | 5.1 |
| ESE | .3 | .5 | | | | | | | | | | .8 | 4.0 |
| SE | .3 | .1 | | | | | | | | | | .4 | 3.0 |
| SSE | .3 | .3 | .1 | .1 | | | | | | | | .8 | 6.2 |
| S | 1.8 | 1.9 | 1.5 | .7 | | .1 | | | | | | 6.0 | 6.3 |
| SSW | 2.5 | 2.6 | 5.1 | .7 | | | | | | | | 10.8 | 6.5 |
| SW | 1.4 | 4.3 | 5.9 | 1.0 | | | | | | | | 12.5 | 6.9 |
| WSW | 1.0 | 8.1 | 6.2 | .8 | .1 | | | | | | | 16.2 | 6.7 |
| W | 3.2 | 8.5 | 11.2 | 1.1 | | | | | | | | 24.0 | 6.6 |
| WNW | 2.2 | 4.5 | 6.0 | 1.2 | | | | | | | | 14.0 | 6.9 |
| NW | .8 | 2.3 | 1.5 | .7 | | | | | | | | 5.3 | 6.5 |
| NNW | .3 | .7 | | .1 | | | | | | | | 1.1 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 15.5 | 35.7 | 38.1 | 6.4 | .1 | .1 | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS

729

DIRNA VOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.0 | .7 | .7 | | | | | | | | | 3.3 | 3.6 |
| NNE | .7 | 3.3 | .7 | | | | | | | | | 4.7 | 4.9 |
| NE | 2.0 | | | | | | | | | | | 2.0 | 2.3 |
| ENE | 1.3 | .7 | | | | | | | | | | 2.0 | 3.0 |
| E | 3.3 | | | | | | | | | | | 3.3 | 2.0 |
| ESE | 1.3 | .7 | | | | | | | | | | 2.0 | 2.3 |
| SE | .7 | .7 | | | | | | | | | | 1.3 | 3.3 |
| SSE | 1.3 | 1.3 | | | | | | | | | | 2.7 | 3.3 |
| S | 2.7 | 7.3 | | | | | | | | | | 10.0 | 4.1 |
| SSW | 1.3 | 2.0 | 2.0 | | | | | | | | | 5.3 | 5.8 |
| SW | 4.0 | 5.3 | | | | | | | | | | 9.3 | 3.7 |
| WSW | 2.0 | 2.0 | | | | | | | | | | 4.0 | 3.7 |
| W | 6.0 | 6.0 | .7 | | | | | | | | | 12.7 | 3.7 |
| WNW | 2.7 | 2.7 | .7 | | | | | | | | | 6.0 | 4.3 |
| NW | 3.3 | 6.7 | 1.3 | | | | | | | | | 11.3 | 3.9 |
| NNW | 2.0 | 3.3 | 1.3 | | | | | | | | | 6.7 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.3 | |
| | 36.7 | 42.7 | 7.3 | | | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

AD-A067 680

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS). IMPERIA--ETC (U)
JUL 78

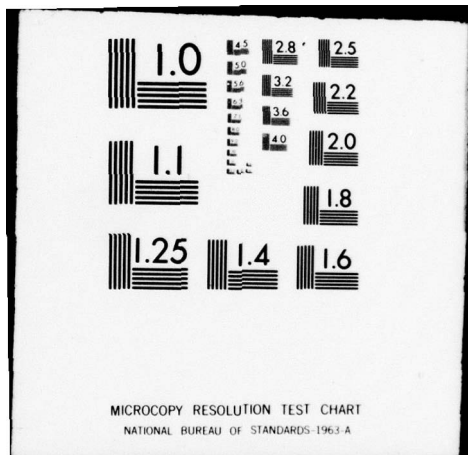
F/G 4/2

UNCLASSIFIED

NL

2 OF 4
AD
A0676 D

A large grid of 100 small, dark, rectangular frames, likely representing a microfilm strip or a series of small images. The frames are arranged in 10 rows and 10 columns. Each frame contains a very faint, illegible pattern, possibly a grid or a series of lines, which is characteristic of microfilm data.



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | 2.0 | .7 | .7 | | | | | | | | 3.3 | 8.0 |
| SSW | | 3.3 | 11.3 | .7 | | | | | | | | 15.3 | 7.9 |
| SW | .7 | 4.7 | 7.3 | | | | | | | | | 12.7 | 6.8 |
| WSW | .7 | 8.7 | 3.3 | | | | | | | | | 12.7 | 5.8 |
| W | | 20.0 | 12.0 | | | | | | | | | 32.0 | 6.3 |
| WNW | 1.3 | 5.3 | 10.0 | 1.3 | | | | | | | | 18.0 | 7.3 |
| NW | | 1.3 | 1.3 | .7 | | | | | | | | 3.3 | 8.0 |
| NNW | .7 | | .7 | | | | | | | | | 1.3 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 3.3 | 45.3 | 46.7 | 3.3 | | | | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

13

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | 1.3 | 1.3 | | | | | | | | 2.7 | 11.0 |
| SSW | .7 | 3.3 | 6.7 | 1.3 | | | | | | | | 12.0 | 7.6 |
| SW | | 6.0 | 8.7 | .7 | | | | | | | | 15.3 | 7.4 |
| WSW | | 7.3 | 14.0 | 1.3 | | | | | | | | 22.7 | 7.5 |
| W | | 5.3 | 23.3 | | | | | | | | | 28.7 | 8.0 |
| WNW | | 2.7 | 10.0 | 5.3 | | | | | | | | 18.0 | 9.5 |
| NW | | | | | | | | | | | | | |
| NNW | | | .7 | | | | | | | | | .7 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | .7 | 24.7 | 64.7 | 10.0 | | | | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | 1.6 | .8 | | | | | | | | | 2.3 | 6.7 |
| SSW | | 3.1 | 7.0 | | | | | | | | | 10.2 | 7.2 |
| SW | 2.3 | 7.0 | 3.9 | | | | | | | | | 13.3 | 6.0 |
| WSW | | 16.4 | 7.8 | | | | | | | | | 24.2 | 6.2 |
| W | .8 | 10.2 | 17.2 | | | | | | | | | 28.1 | 7.0 |
| WNW | | 3.1 | 14.1 | 2.3 | | | | | | | | 19.5 | 8.3 |
| NW | | .8 | 1.6 | | | | | | | | | 2.3 | 7.7 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 3.1 | 42.2 | 52.3 | 2.3 | | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 128

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | 4.2 | | | | | | | | | | 4.2 | 5.0 |
| SSW | 3.4 | 5.9 | | | | | | | | | | 9.3 | 4.3 |
| SW | 5.1 | 7.6 | | | | | | | | | | 12.7 | 3.5 |
| WSW | 7.6 | 7.6 | .8 | | | | | | | | | 16.1 | 4.0 |
| W | 11.9 | 8.5 | 3.4 | | | | | | | | | 23.7 | 3.8 |
| WNW | .8 | 10.2 | 2.5 | | | | | | | | | 13.6 | 5.1 |
| NW | 2.5 | 5.9 | 4.2 | | | | | | | | | 12.7 | 5.2 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.6 | |
| | 31.4 | 50.0 | 11.0 | | | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS

118

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 73.77 YEARS JUN MONTH 22 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | 2.7 | | | | | | | | | | | 2.7 | 3.0 |
| ESE | 2.7 | | | | | | | | | | | 2.7 | 3.0 |
| SE | | | 2.7 | | | | | | | | | 2.7 | 9.0 |
| SSE | | | | | | | | | | | | | |
| S | 5.4 | 10.8 | | | | | | | | | | 16.2 | 3.7 |
| SSW | 2.7 | 2.7 | | | | | | | | | | 5.4 | 3.0 |
| SW | 2.7 | | | | | | | | | | | 2.7 | 3.0 |
| WSW | | | | | | | | | | | | | |
| W | 5.4 | 8.1 | | | | | | | | | | 13.5 | 4.2 |
| WNW | 2.7 | 2.7 | 2.7 | | | | | | | | | 8.1 | 4.3 |
| NW | 10.8 | 10.8 | | | | | | | | | | 21.6 | 3.5 |
| NNW | 2.7 | | | | | | | | | | | 2.7 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.6 | |
| | 37.8 | 35.1 | 5.4 | | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 37

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 73-77 YEARS JUN MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .1 | .1 | | | | | | | | | .7 | 3.6 |
| NNE | .1 | .7 | .1 | | | | | | | | | 1.0 | 4.9 |
| NE | .4 | | | | | | | | | | | .4 | 2.3 |
| ENE | .3 | .1 | | | | | | | | | | .4 | 3.0 |
| E | .8 | | | | | | | | | | | .8 | 2.2 |
| ESE | .4 | .1 | | | | | | | | | | .5 | 2.5 |
| SE | .1 | .1 | .1 | | | | | | | | | .4 | 5.3 |
| SSE | .3 | .3 | | | | | | | | | | .5 | 3.3 |
| S | .8 | 3.4 | .5 | .4 | | | | | | | | 5.2 | 5.6 |
| SSW | 1.1 | 3.4 | 5.3 | .4 | | | | | | | | 10.2 | 6.8 |
| SW | 2.3 | 5.7 | 4.0 | .1 | | | | | | | | 12.1 | 5.7 |
| WSW | 1.8 | 7.8 | 5.0 | .3 | | | | | | | | 14.9 | 6.0 |
| W | 3.5 | 10.0 | 10.9 | | | | | | | | | 24.4 | 6.1 |
| WNW | 1.1 | 4.5 | 7.2 | 1.8 | | | | | | | | 14.6 | 7.4 |
| NW | 1.6 | 3.3 | 1.5 | .1 | | | | | | | | 6.5 | 4.9 |
| NNW | .7 | .7 | .5 | | | | | | | | | 1.9 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.3 | |
| | 15.8 | 40.2 | 35.5 | 3.1 | | | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 739

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03115 STATION NAME IMPERIAL BEACH, CALIFORNIA YEARS 73 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 01
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 100.0 | |
| | | | | | | | | | | | | 100.0 | .0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | 2.6 | | | | | | | | | | | 2.6 | 2.5 |
| NE | 1.3 | .6 | | | | | | | | | | 1.9 | 3.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | .6 | | | | | | | | | | .6 | 5.0 |
| SSE | 1.3 | .6 | .6 | | | | | | | | | 2.6 | 4.5 |
| S | 3.9 | 5.2 | .6 | | | | | | | | | 9.7 | 3.8 |
| SSW | 5.8 | 6.5 | .6 | | | | | | | | | 13.0 | 3.9 |
| SW | 4.5 | .6 | | | | | | | | | | 5.2 | 2.6 |
| WSW | 5.8 | .6 | | | | | | | | | | 6.5 | 2.4 |
| W | 4.5 | 7.1 | 1.9 | | | | | | | | | 13.6 | 4.6 |
| WNW | 9.7 | 6.5 | | | | | | | | | | 16.2 | 3.2 |
| NW | 4.5 | 5.2 | | | | | | | | | | 9.7 | 3.2 |
| NNW | .6 | .6 | | | | | | | | | | 1.3 | 3.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.9 | |
| | 44.8 | 34.4 | 3.9 | | | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | .6 | | | | | | | | | | .6 | 6.0 |
| S | | 4.5 | 2.6 | | | | | | | | | 7.1 | 6.3 |
| SSW | 1.3 | 4.5 | 7.1 | .6 | | | | | | | | 13.6 | 6.8 |
| SW | | 4.5 | 6.5 | 1.3 | | | | | | | | 12.3 | 7.5 |
| WSW | 1.9 | 6.5 | 5.8 | | | | | | | | | 14.3 | 5.6 |
| W | 1.9 | 17.5 | 12.3 | | | | | | | | | 31.8 | 6.2 |
| WNW | .6 | 5.2 | 13.6 | | | | | | | | | 19.5 | 7.4 |
| NW | | | .6 | | | | | | | | | .6 | 10.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 5.8 | 43.5 | 48.7 | 1.9 | | | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | 4.5 | | | | | | | | | 4.5 | 8.0 |
| SSW | | 1.3 | 7.1 | .6 | | | | | | | | 9.1 | 8.9 |
| SW | | 3.2 | 5.8 | .6 | .6 | | | | | | | 10.4 | 8.1 |
| WSW | | 10.4 | 11.7 | | | | | | | | | 22.1 | 6.8 |
| W | | 11.7 | 26.0 | 1.3 | | | | | | | | 39.0 | 7.6 |
| WNW | | | 13.0 | 1.3 | | | | | | | | 14.3 | 8.9 |
| NW | | | | .6 | | | | | | | | .6 | 12.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | 26.6 | 68.2 | 4.5 | .6 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | 2.5 | 2.5 | | | | | | | | | 5.1 | 6.8 |
| SSW | 1.7 | 5.9 | 9.3 | | | | | | | | | 16.9 | 6.6 |
| SW | | 3.4 | 2.5 | | | | | | | | | 5.9 | 6.3 |
| WSW | 3.4 | 11.9 | 8.5 | | | | | | | | | 23.7 | 5.6 |
| W | .8 | 15.3 | 12.7 | 1.7 | | | | | | | | 30.5 | 6.7 |
| WNW | | 4.2 | 12.7 | | | | | | | | | 16.9 | 7.5 |
| NW | | | .8 | | | | | | | | | .8 | 9.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 5.9 | 43.2 | 49.2 | 1.7 | | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS

118

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

19

MOORE (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 2.7 | 4.5 | 1.8 | | | | | | | | | 9.0 | 4.7 |
| SSW | 4.5 | 5.4 | .9 | | | | | | | | | 10.8 | 3.8 |
| SW | .9 | 8.1 | .9 | | | | | | | | | 9.9 | 4.7 |
| WSW | 9.0 | 7.2 | | | | | | | | | | 16.2 | 3.2 |
| W | 10.8 | 10.8 | | | | | | | | | | 21.6 | 3.5 |
| WNW | 5.4 | 9.9 | 5.4 | | | | | | | | | 20.7 | 5.0 |
| NW | 1.8 | 4.5 | .9 | | | | | | | | | 7.2 | 5.3 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.5 | |
| | 35.1 | 50.5 | 9.9 | | | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73.77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 10.5 | 2.6 | | | | | | | | | | 13.2 | 3.2 |
| SSW | 2.6 | 2.6 | | | | | | | | | | 5.3 | 3.5 |
| SW | 5.3 | | 2.6 | | | | | | | | | 7.9 | 3.7 |
| WSW | 2.6 | | | | | | | | | | | 2.6 | 3.0 |
| W | 2.6 | 5.3 | | | | | | | | | | 7.9 | 3.3 |
| WNW | 10.5 | 13.2 | | | | | | | | | | 23.7 | 3.7 |
| NW | 5.3 | 5.3 | | | | | | | | | | 10.5 | 3.5 |
| NNW | 2.6 | | | | | | | | | | | 2.6 | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.3 | |
| | 42.1 | 28.9 | 2.6 | | | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS 38

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | .5 | | | | | | | | | | | .5 | 2.5 |
| NE | .3 | .1 | | | | | | | | | | .4 | 3.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | .1 | | | | | | | | | | .1 | 5.0 |
| SSE | .3 | .3 | .1 | | | | | | | | | .7 | 4.8 |
| S | 1.8 | 3.3 | 2.3 | | | | | | | | | 7.4 | 5.3 |
| SSW | 2.6 | 4.5 | 4.8 | .3 | | | | | | | | 12.2 | 5.9 |
| SW | 1.4 | 3.6 | 3.3 | .4 | .1 | | | | | | | 8.8 | 6.3 |
| WSW | 3.7 | 6.7 | 5.1 | | | | | | | | | 15.5 | 5.3 |
| W | 3.3 | 12.1 | 10.5 | .5 | | | | | | | | 26.4 | 6.2 |
| WNW | 3.6 | 5.3 | 8.5 | .3 | | | | | | | | 17.7 | 6.2 |
| NW | 1.2 | 2.1 | .4 | .1 | | | | | | | | 4.1 | 4.5 |
| NNW | .3 | .1 | | | | | | | | | | .4 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.8 | |
| | 19.2 | 38.2 | 35.1 | 1.6 | .1 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS

730

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

AUG
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | 100.0 | | | | | | | | | | | 100.0 | 3.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 100.0 | | | | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

AUG
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 100.0 | | | | | | | | | | | 100.0 | 3.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 100.0 | | | | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|-------|-----------------------|
| N | 2.6 | 2.6 | | | | | | | | | | 5.2 | 3.5 |
| NNE | 1.3 | .6 | | | | | | | | | | 1.9 | 4.0 |
| NE | 3.9 | 1.9 | | | | | | | | | | 5.8 | 3.0 |
| ENE | .6 | 3.2 | | | | | | | | | | 3.9 | 4.0 |
| E | 1.3 | 3.2 | .6 | | | | | | | | | 5.2 | 4.3 |
| ESE | 1.9 | 1.3 | .6 | | | | | | | | | 3.9 | 3.7 |
| SE | 1.3 | | | | | | | | | | | 1.3 | 2.5 |
| SSE | | | | | | | | | | | | | |
| S | .6 | 3.2 | .6 | | | | | | | | | 4.5 | 4.9 |
| SSW | 2.6 | 2.6 | 1.3 | | | | | | | | | 6.5 | 4.7 |
| SW | 3.2 | 3.9 | | | | | | | | | | 7.1 | 3.5 |
| WSW | 2.6 | 2.6 | | | | | | | | | | 5.2 | 3.4 |
| W | 6.5 | 1.3 | .6 | | | | | | | | | 8.4 | 3.2 |
| WNW | 5.2 | 4.3 | .6 | | | | | | | | | 10.3 | 3.9 |
| NW | 4.5 | 6.5 | 1.9 | | | | | | | | | 12.9 | 4.4 |
| NNW | | 3.2 | | | | | | | | | | 3.2 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.8 | |
| | 38.1 | 40.6 | 6.5 | | | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | .6 | | .6 | | | | | | | 1.3 | 12.5 |
| SSW | | 1.9 | 4.5 | 1.3 | | | | | | | | 7.7 | 8.8 |
| SW | | 2.6 | 5.2 | .6 | | | | | | | | 8.4 | 7.4 |
| WSW | .6 | 5.8 | 2.6 | | | | | | | | | 9.0 | 6.0 |
| W | 1.9 | 14.8 | 12.9 | | | | | | | | | 29.7 | 6.4 |
| WNW | .6 | 5.8 | 24.5 | .6 | | | | | | | | 31.6 | 7.7 |
| NW | .6 | 3.2 | 5.8 | | | | | | | | | 9.7 | 6.8 |
| NNW | | .6 | .6 | | | | | | | | | 1.3 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 3.9 | 34.8 | 56.8 | 2.6 | .6 | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | .6 | | | | | | | | | | .6 | 6.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | 1.3 | | .6 | | | | | | | 1.9 | 13.0 |
| SSW | | | 3.2 | .6 | | | | | | | | 3.9 | 9.5 |
| SW | | 1.9 | 5.2 | | | | | | | | | 7.1 | 7.4 |
| WSW | | 2.6 | 6.5 | .6 | | | | | | | | 9.7 | 7.9 |
| W | | 9.7 | 31.6 | 1.3 | | | | | | | | 42.6 | 7.8 |
| WNW | | 2.6 | 20.6 | 5.2 | | | | | | | | 28.4 | 8.9 |
| NW | .6 | | 3.9 | | | | | | | | | 4.5 | 8.3 |
| NNW | | | 1.3 | | | | | | | | | 1.3 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | .6 | 17.4 | 73.5 | 7.7 | .6 | | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | .8 | | | | | | | | | | | .8 | 2.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | .8 | | | | | | | | | .8 | 10.0 |
| SSW | | .8 | 2.3 | 1.5 | | | | | | | | 4.5 | 9.0 |
| SW | .8 | 3.0 | 3.0 | | | | | | | | | 6.8 | 9.8 |
| WSW | | 4.5 | 3.8 | | | | | | | | | 8.3 | 6.5 |
| W | 1.5 | 18.0 | 17.3 | | | | | | | | | 36.8 | 6.5 |
| WNW | | 6.0 | 24.8 | | | | | | | | | 30.8 | 7.7 |
| NW | | .8 | 7.5 | | | | | | | | | 8.3 | 8.0 |
| NNW | | | 2.3 | | | | | | | | | 2.3 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | 3.0 | 33.1 | 61.7 | 1.5 | | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 133

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .8 | | | | | | | | | .8 | 8.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .8 | .8 | | | | | | | | | | 1.7 | 3.0 |
| SSW | 2.5 | 2.5 | 1.7 | | | | | | | | | 6.8 | 4.1 |
| SW | 2.5 | | .8 | | | | | | | | | 3.4 | 4.3 |
| WSW | 7.6 | 2.5 | | | | | | | | | | 10.2 | 3.3 |
| W | 11.9 | 10.2 | | | | | | | | | | 22.0 | 3.2 |
| WNW | 4.2 | 22.9 | 1.7 | | | | | | | | | 28.8 | 4.5 |
| NW | 4.2 | 13.6 | .8 | | | | | | | | | 18.6 | 4.5 |
| NNW | | 4.2 | | | | | | | | | | 4.2 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.4 | |
| | 33.9 | 56.8 | 5.9 | | | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS

118

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 73.77 YEARS
AUG MONTH
22 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 6.1 | 3.0 | | | | | | | | | | 9.1 | 2.7 |
| SSW | 3.0 | 6.1 | | | | | | | | | | 9.1 | 4.3 |
| SW | | | | | | | | | | | | | |
| WSW | 3.0 | 3.0 | | | | | | | | | | 6.1 | 3.0 |
| W | 3.0 | | | | | | | | | | | 3.0 | 3.0 |
| WNW | 9.1 | | | | | | | | | | | 9.1 | 2.3 |
| NW | 9.1 | 3.0 | | | | | | | | | | 12.1 | 3.0 |
| NNW | 3.0 | 6.1 | | | | | | | | | | 9.1 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 42.4 | |
| | 36.4 | 21.2 | | | | | | | | | | 100.0 | 1.8 |

TOTAL NUMBER OF OBSERVATIONS 33

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .5 | .1 | | | | | | | | | 1.2 | 4.0 |
| NNE | .4 | .3 | | | | | | | | | | .7 | 4.0 |
| NE | .8 | .4 | | | | | | | | | | 1.2 | 3.0 |
| ENE | .1 | .7 | | | | | | | | | | .8 | 4.0 |
| E | .3 | .7 | .1 | | | | | | | | | 1.1 | 4.3 |
| ESE | .4 | .3 | .1 | | | | | | | | | .8 | 3.7 |
| SE | .3 | | | | | | | | | | | .3 | 2.5 |
| SSE | | | | | | | | | | | | | |
| S | .7 | .9 | .7 | | .3 | | | | | | | 2.5 | 6.6 |
| SSW | 1.1 | 1.7 | 2.5 | .7 | | | | | | | | 6.0 | 6.9 |
| SW | 1.2 | 2.3 | 2.8 | .1 | | | | | | | | 6.4 | 5.9 |
| WSW | 2.1 | 3.6 | 2.5 | .1 | | | | | | | | 8.4 | 5.5 |
| W | 4.0 | 10.1 | 12.4 | .3 | | | | | | | | 26.8 | 6.2 |
| WNW | 2.3 | 7.3 | 14.1 | 1.2 | | | | | | | | 24.9 | 7.0 |
| NW | 2.3 | 4.4 | 3.9 | | | | | | | | | 10.5 | 5.6 |
| NNW | .1 | 1.7 | .8 | | | | | | | | | 2.7 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.9 | |
| | 16.5 | 34.9 | 40.1 | 2.4 | .3 | | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS

751

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | 100.0 | | | | | | | | | | 100.0 | 5.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | | 100.0 | | | | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

SEP
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | 50.0 | | | | | | | | | | 50.0 | 5.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 50.0 | | | | | | | | | | | 50.0 | 2.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 50.0 | 50.0 | | | | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.4 | .7 | | | | | | | | | 2.7 | 5.5 |
| NNE | 2.0 | | | | | | | | | | | 2.0 | 2.7 |
| NE | 3.4 | 1.4 | | | | | | | | | | 4.8 | 3.1 |
| ENE | 2.7 | .7 | | | | | | | | | | 3.4 | 3.0 |
| E | 5.4 | 6.8 | 1.4 | .7 | | | | | | | | 14.3 | 4.9 |
| ESE | 2.0 | 1.4 | 2.0 | | | | | | | | | 5.4 | 4.8 |
| SE | 1.4 | .7 | | | | | | | | | | 2.0 | 2.7 |
| SSE | .7 | 1.4 | | | | | | | | | | 2.0 | 3.7 |
| S | 4.1 | 2.0 | .7 | | | | | | | | | 6.8 | 3.5 |
| SSW | 4.8 | .7 | | | | | | | | | | 5.4 | 2.6 |
| SW | 2.7 | 1.4 | | | | | | | | | | 4.1 | 2.8 |
| WSW | 4.8 | | | | | | | | | | | 4.8 | 2.1 |
| W | 4.8 | 1.4 | | | | | | | | | | 6.1 | 2.6 |
| WNW | 2.7 | .7 | | | | | | | | | | 3.4 | 2.8 |
| NW | 4.8 | 2.7 | | | | | | | | | | 7.5 | 3.4 |
| NNW | 3.4 | 1.4 | | | | | | | | | | 4.8 | 3.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.4 | |
| | 50.3 | 23.8 | 4.8 | .7 | | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS

147

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .7 | | | | | | | | | | .7 | 4.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | .7 | | | | | | | | .7 | 14.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .7 | 2.7 | .7 | | | | | | | | | 4.1 | 5.0 |
| SSW | .7 | 2.4 | 2.7 | | | | | | | | | 6.8 | 5.9 |
| SW | .7 | 4.1 | 2.0 | | | | | | | | | 6.8 | 6.0 |
| WSW | 2.0 | 6.1 | 2.0 | | | | | | | | | 10.2 | 5.1 |
| W | .7 | 19.0 | 10.9 | | | | | | | | | 30.6 | 5.6 |
| WNW | .7 | 12.9 | 9.5 | | | | | | | | | 23.1 | 6.4 |
| NW | | 5.4 | 5.4 | | | | | | | | | 10.9 | 6.8 |
| NNW | .7 | 2.0 | 2.7 | | | | | | | | | 5.4 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 6.1 | 56.5 | 36.1 | .7 | | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 147

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | .7 | | | | | | | | .7 | 12.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | .7 | | | | | | | | | .7 | 10.0 |
| SSW | | 1.4 | 3.4 | 1.4 | | | | | | | | 6.1 | 8.4 |
| SW | | 4.8 | 4.1 | 1.4 | | | | | | | | 10.2 | 7.2 |
| WSW | 1.4 | 7.5 | 4.8 | | | | | | | | | 13.6 | 5.9 |
| W | | 12.9 | 19.7 | 2.0 | | | | | | | | 34.7 | 7.3 |
| WNW | | 4.8 | 16.3 | 2.0 | | | | | | | | 23.1 | 8.3 |
| NW | | .7 | 6.8 | 2.7 | | | | | | | | 10.2 | 9.5 |
| NNW | | .7 | | | | | | | | | | .7 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 1.4 | 32.7 | 55.8 | 10.2 | | | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 147

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | 1.7 | .8 | .8 | | | | | | | | 3.3 | 7.8 |
| SSW | | 2.5 | 2.5 | | | | | | | | | 5.0 | 6.8 |
| SW | .8 | 5.8 | 1.7 | | | | | | | | | 8.3 | 5.6 |
| WSW | 2.5 | 8.3 | | | | | | | | | | 10.7 | 4.4 |
| W | 3.3 | 17.4 | 8.3 | | | | | | | | | 28.9 | 5.6 |
| WNW | 2.5 | 11.6 | 13.2 | | | | | | | | | 27.3 | 6.3 |
| NW | | 4.1 | 7.4 | .8 | | | | | | | | 12.4 | 7.9 |
| NNW | | 1.7 | 2.5 | | | | | | | | | 4.1 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 9.1 | 52.9 | 36.4 | 1.7 | | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS

121

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | .9 | | .9 | | | | | | | | | 1.8 | 5.5 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 6.2 | .9 | | | | | | | | | | 7.1 | 2.4 |
| SSW | 8.0 | .9 | | | | | | | | | | 8.9 | 2.1 |
| SW | 1.8 | 3.6 | | | | | | | | | | 5.4 | 3.7 |
| WSW | .9 | .9 | | | | | | | | | | 1.8 | 3.5 |
| W | 7.1 | 1.8 | | | | | | | | | | 8.9 | 2.5 |
| WNW | 6.2 | 8.9 | | | | | | | | | | 15.2 | 3.7 |
| NW | 7.1 | 17.0 | 1.8 | | | | | | | | | 25.9 | 4.4 |
| NNW | | 5.4 | | | | | | | | | | 5.4 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.6 | |
| | 38.4 | 39.3 | 2.7 | | | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73.77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.6 | 3.6 | | | | | | | | | | 7.1 | 3.0 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | 3.6 | | | | | | | | | | | 3.6 | 2.0 |
| S | 3.6 | | | | | | | | | | | 3.6 | 2.0 |
| SSW | 3.6 | | | | | | | | | | | 3.6 | 2.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | 3.6 | | | | | | | | | | | 3.6 | 2.0 |
| WNW | 7.1 | 3.6 | | | | | | | | | | 10.7 | 2.7 |
| NW | 7.1 | 14.3 | | | | | | | | | | 21.4 | 4.2 |
| NNW | | 3.6 | | | | | | | | | | 3.6 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 42.9 | |
| | 32.1 | 25.0 | | | | | | | | | | 100.0 | 1.8 |

TOTAL NUMBER OF OBSERVATIONS 28

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .6 | .1 | | | | | | | | | 1.0 | 4.6 |
| NNE | .4 | | | | | | | | | | | .4 | 2.7 |
| NE | .7 | .4 | | | | | | | | | | 1.1 | 3.4 |
| ENE | .6 | .1 | | | | | | | | | | .7 | 3.0 |
| E | 1.1 | 1.4 | .3 | .3 | | | | | | | | 3.1 | 5.3 |
| ESE | .6 | .4 | .6 | .1 | | | | | | | | 1.7 | 5.5 |
| SE | .3 | .1 | | | | | | | | | | .4 | 2.7 |
| SSE | .3 | .3 | | | | | | | | | | .6 | 3.3 |
| S | 2.3 | 1.4 | .6 | .1 | | | | | | | | 4.4 | 4.2 |
| SSW | 2.6 | 1.7 | 1.7 | .3 | | | | | | | | 6.2 | 5.0 |
| SW | 1.1 | 3.7 | 1.6 | .3 | | | | | | | | 6.7 | 5.6 |
| WSW | 2.3 | 4.4 | 1.4 | | | | | | | | | 8.1 | 4.8 |
| W | 3.0 | 10.2 | 7.8 | .4 | | | | | | | | 21.4 | 5.8 |
| WNW | 2.4 | 7.4 | 7.7 | .4 | | | | | | | | 17.9 | 6.3 |
| NW | 2.4 | 5.8 | 4.1 | .7 | | | | | | | | 13.0 | 6.1 |
| NNW | .9 | 2.1 | 1.0 | | | | | | | | | 4.0 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 21.1 | 40.1 | 26.8 | 2.7 | | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

705

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.6 | | | | | | | | | | | 2.6 | 2.3 |
| NNE | 2.6 | 1.3 | | | | | | | | | | 3.9 | 2.8 |
| NE | 2.6 | 3.9 | | | | | | | | | | 6.6 | 3.2 |
| ENE | 2.0 | 6.6 | 1.3 | | | | | | | | | 9.9 | 4.9 |
| E | 3.3 | 19.1 | 10.5 | | | | | | | | | 32.9 | 5.6 |
| ESE | 2.0 | 2.0 | 1.3 | | | | | | | | | 5.3 | 4.9 |
| SE | 2.0 | 1.3 | | | | | | | | | | 3.3 | 3.6 |
| SSE | .7 | | | | | | | | | | | .7 | 3.0 |
| S | 3.3 | 2.0 | | | | | | | | | | 5.3 | 3.5 |
| SSW | | .7 | | | | | | | | | | .7 | 5.0 |
| SW | | 2.0 | | | | | | | | | | 2.0 | 4.0 |
| WSW | .7 | | | .7 | | | | | | | | 1.3 | 6.5 |
| W | 1.3 | 2.0 | | | | | | | | | | 3.3 | 3.6 |
| WNW | 2.0 | | | | | | | | | | | 2.0 | 2.7 |
| NW | 2.6 | | | | | | | | | | | 2.6 | 2.3 |
| NNW | 2.6 | .7 | | | | | | | | | | 3.3 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.5 | |
| | 30.3 | 41.4 | 13.2 | .7 | | | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS

152

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

DCY
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| NNE | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| NE | | .7 | | | | | | | | | | .7 | 6.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | .7 | | | .7 | | | | | | | | 1.3 | 8.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | 1.3 | 3.9 | 1.3 | | | | | | | | | 6.5 | 5.2 |
| SW | 1.3 | 4.6 | 1.3 | .7 | | | | | | | | 7.8 | 5.8 |
| WSW | 1.3 | 5.2 | | | | | | | | | | 6.5 | 4.0 |
| W | 2.6 | 17.6 | 2.0 | | | | | | | | | 22.2 | 5.0 |
| WNW | 2.6 | 20.3 | 6.5 | | | | | | | | | 29.4 | 5.4 |
| NW | 2.0 | 13.7 | 2.0 | | | | | | | | | 17.6 | 5.1 |
| NNW | .7 | 2.0 | | | | | | | | | | 2.6 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.6 | |
| | 15.0 | 68.0 | 13.1 | 1.3 | | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 153

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .7 | 3.3 | | | | | | | | | 3.9 | 8.3 |
| SW | | 5.2 | 2.6 | | | | | | | | | 7.8 | 6.2 |
| WSW | .7 | 8.5 | 3.3 | | | | | | | | | 12.4 | 5.7 |
| W | 2.0 | 15.7 | 20.9 | 1.3 | | | | | | | | 39.9 | 7.0 |
| WNW | .7 | 4.6 | 22.9 | 2.0 | | | | | | | | 30.1 | 8.2 |
| NW | | .7 | 3.9 | .7 | | | | | | | | 5.2 | 8.9 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 3.3 | 25.3 | 56.9 | 3.9 | | | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .8 | 1.6 | | | | | | | | | | 2.4 | 4.3 |
| SSW | | 4.8 | 2.4 | | .8 | | | | | | | 8.0 | 7.2 |
| SW | 1.6 | 3.2 | | | | | | | | | | 4.8 | 4.2 |
| WSW | | 8.8 | 2.4 | | | | | | | | | 11.2 | 5.4 |
| W | 5.6 | 18.4 | 4.0 | | | | | | | | | 28.0 | 4.7 |
| WNW | 1.6 | 14.4 | 14.4 | | | | | | | | | 30.4 | 6.6 |
| NW | .8 | 4.8 | 8.8 | | | | | | | | | 14.4 | 7.2 |
| NNW | | | .8 | | | | | | | | | .8 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 10.4 | 56.0 | 32.8 | | .8 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 125

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.6 | | | | | | | | | | | 3.6 | 2.0 |
| NNE | | | | | | | | | | | | | |
| NE | .9 | | | | | | | | | | | .9 | 2.0 |
| ENE | | | | | | | | | | | | | |
| E | | | .9 | | | | | | | | | .9 | 9.0 |
| ESE | .9 | | | | | | | | | | | .9 | 2.0 |
| SE | | | | | | | | | | | | | |
| SSE | .9 | | | | | | | | | | | .9 | 2.0 |
| S | 5.5 | .9 | | | | | | | | | | 6.4 | 2.7 |
| SSW | 2.7 | .9 | | | | | | | | | | 3.6 | 2.8 |
| SW | .9 | .9 | | | | | | | | | | 1.8 | 3.5 |
| WSW | .9 | | .9 | | | | | | | | | 1.8 | 4.5 |
| W | .9 | 1.8 | .9 | | | | | | | | | 3.6 | 5.3 |
| WNW | 8.2 | 3.6 | | | | | | | | | | 11.8 | 3.3 |
| NW | 8.2 | 7.3 | .9 | | | | | | | | | 16.4 | 3.6 |
| NNW | 4.5 | 1.8 | | | | | | | | | | 6.4 | 2.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.9 | |
| | 38.2 | 17.3 | 3.6 | | | | | | | | | 100.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73,77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | 4.0 | | | | | | | | | | | 4.0 | 2.0 |
| NE | | | | | | | | | | | | | |
| ENE | 4.0 | | | | | | | | | | | 4.0 | 2.0 |
| E | 4.0 | | 8.0 | | | | | | | | | 12.0 | 6.3 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | 4.0 | | | | | | | | | | | 4.0 | 3.0 |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | 8.0 | 4.0 | 4.0 | | | | | | | | | 16.0 | 4.0 |
| NW | | 12.0 | | | | | | | | | | 12.0 | 4.7 |
| NNW | 4.0 | 4.0 | | | | | | | | | | 8.0 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.0 | |
| | 28.0 | 20.0 | 12.0 | | | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS

25

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

UCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | | | | | | | | | | | 1.4 | 2.1 |
| NNE | 1.0 | .3 | | | | | | | | | | 1.3 | 2.6 |
| NE | .7 | 1.0 | | | | | | | | | | 1.7 | 3.3 |
| ENE | .6 | 1.4 | .3 | | | | | | | | | 2.2 | 4.8 |
| E | .8 | 4.0 | 2.6 | | | | | | | | | 7.5 | 5.7 |
| ESE | .7 | .4 | .3 | .1 | | | | | | | | 1.5 | 3.2 |
| SE | .4 | .3 | | | | | | | | | | .7 | 3.6 |
| SSE | .4 | | | | | | | | | | | .4 | 2.7 |
| S | 1.7 | .8 | | | | | | | | | | 2.5 | 3.3 |
| SSW | .7 | 2.1 | 1.4 | | .1 | | | | | | | 4.3 | 6.1 |
| SW | .7 | 3.2 | .8 | .1 | | | | | | | | 4.9 | 5.3 |
| WSW | .7 | 4.5 | 1.3 | .1 | | | | | | | | 6.5 | 5.2 |
| W | 2.4 | 11.0 | 5.7 | .3 | | | | | | | | 19.4 | 5.8 |
| WNW | 2.9 | 8.5 | 8.9 | .4 | | | | | | | | 20.8 | 6.3 |
| NW | 2.4 | 5.4 | 2.9 | .1 | | | | | | | | 10.9 | 5.4 |
| NNW | 1.5 | 1.0 | .1 | | | | | | | | | 2.6 | 3.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.4 | |
| | 18.9 | 43.9 | 24.4 | 1.3 | .1 | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS

718

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

NOV
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | 20.0 | | | | | | | | | | | 20.0 | 3.0 |
| ENE | | 20.0 | | | | | | | | | | 20.0 | 6.0 |
| E | | 40.0 | | | | | | | | | | 40.0 | 6.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | 20.0 | | | | | | | | | 20.0 | 9.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 20.0 | 60.0 | 20.0 | | | | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 5

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93115 STATION NAME IMPERIAL BEACH, CALIFORNIA YEARS 73 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 04
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | 16.7 | | | | | | | | | 16.7 | 7.0 |
| E | | | 16.7 | | | | | | | | | 16.7 | 8.0 |
| ESE | | | 16.7 | | | | | | | | | 16.7 | 7.0 |
| SE | 16.7 | | | | | | | | | | | 16.7 | 2.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | 16.7 | | | | | | | | | | | 16.7 | 2.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | 16.7 | | | | | | | | | 16.7 | 10.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 33.3 | | 66.7 | | | | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 6

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | | | | | | | | | | | .7 | 2.0 |
| NNE | 3.4 | 5.5 | .7 | | | | | | | | | 9.7 | 4.1 |
| NE | 3.4 | 6.9 | | | | | | | | | | 10.3 | 4.2 |
| ENE | 4.1 | 10.3 | 2.8 | | | | | | | | | 17.2 | 5.0 |
| E | 4.8 | 16.6 | 16.6 | 2.1 | | | | | | | | 40.0 | 6.6 |
| ESE | 1.4 | 5.5 | | 2.1 | | | | | | | | 9.0 | 6.2 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .7 | .7 | .7 | | | | | | | | | 2.1 | 4.7 |
| SSW | | .7 | | | | | | | | | | .7 | 4.0 |
| SW | | .7 | .7 | | | | | | | | | 1.4 | 8.0 |
| WSW | | .7 | .7 | | | | | | | | | 1.4 | 6.0 |
| W | | .7 | .7 | | | | | | | | | 1.4 | 8.0 |
| WNW | | | .7 | | | | | | | | | .7 | 8.0 |
| NW | | | .7 | | | | | | | | | .7 | 9.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.8 | |
| | 18.6 | 48.3 | 24.1 | 4.1 | | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 145

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93115 STATION NAME IMPERIAL BEACH, CALIFORNIA YEARS 73-77 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 10
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.7 | 4.0 | | | | | | | | | | 6.7 | 3.7 |
| NNE | 2.0 | 1.3 | | | | | | | | | | 3.4 | 3.4 |
| NE | | 1.3 | | | | | | | | | | 1.3 | 4.5 |
| ENE | 1.3 | 1.3 | | | | | | | | | | 2.7 | 3.5 |
| E | 3.4 | 2.0 | 1.3 | 1.3 | | .7 | | | | | | 8.7 | 7.2 |
| ESE | | 1.3 | .7 | .7 | 1.3 | | | | | | | 4.0 | 11.2 |
| SE | .7 | | | .7 | | | | | | | | 1.3 | 8.0 |
| SSE | | .7 | | | | | | | | | | .7 | 4.0 |
| S | .7 | 2.0 | .7 | | | | | | | | | 3.4 | 5.4 |
| SSW | 1.3 | 2.7 | 3.4 | | | | | | | | | 7.4 | 6.0 |
| SW | 1.3 | 3.4 | 2.0 | .7 | | | | | | | | 7.4 | 6.3 |
| WSW | 3.4 | 2.0 | .7 | | | | | | | | | 6.0 | 3.7 |
| W | 5.4 | 2.7 | 1.3 | 1.3 | | | | | | | | 10.7 | 4.8 |
| WNW | .7 | 8.1 | .7 | | | | | | | | | 9.4 | 4.6 |
| NW | 4.0 | 6.7 | 2.0 | | | | | | | | | 12.8 | 4.5 |
| NNW | .7 | 6.0 | 2.0 | | | | | | | | | 8.7 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.4 | |
| | 27.5 | 45.6 | 14.8 | 4.7 | 1.3 | .7 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 149

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | .7 | | | | | | | | | .7 | 10.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | .7 | | | | | | | | .7 | 13.0 |
| E | | | | | | | | | | | | | |
| ESE | | | | 1.3 | | | | | | | | 1.3 | 14.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .7 | | 3.4 | | | | | | | | | 4.0 | 7.3 |
| SSW | | 3.4 | 3.4 | | | | | | | | | 6.7 | 6.1 |
| SW | | 6.0 | 1.3 | | | | | | | | | 7.4 | 5.5 |
| WSW | 1.3 | 8.7 | 2.0 | | | | | | | | | 12.1 | 5.3 |
| W | 2.0 | 20.1 | 6.7 | .7 | | | | | | | | 29.5 | 5.7 |
| WNW | 1.3 | 7.4 | 14.8 | | | | | | | | | 23.5 | 7.2 |
| NW | | 2.7 | 8.1 | 1.3 | | | | | | | | 12.1 | 8.2 |
| NNW | | .7 | 1.3 | | | | | | | | | 2.0 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 5.4 | 49.0 | 41.6 | 4.0 | | | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | | | | | | | | | | | 1.3 | 2.0 |
| NNE | | | | | | | | | | | | | |
| NE | .7 | | | | | | | | | | | .7 | 2.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | .7 | | | | | | | | | .7 | 10.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | .7 | | | | | | | | .7 | 11.0 |
| S | .7 | 1.3 | | | | | | | | | | 2.0 | 3.3 |
| SSW | 3.4 | 6.0 | 1.3 | .7 | | | | | | | | 11.4 | 4.6 |
| SW | 2.7 | 5.4 | 1.3 | | | | | | | | | 9.4 | 4.7 |
| WSW | 6.0 | 7.4 | .7 | .7 | | | | | | | | 14.8 | 4.0 |
| W | 4.0 | 10.7 | 2.0 | | | | | | | | | 16.8 | 4.7 |
| WNW | 3.4 | 12.8 | 5.4 | .7 | | | | | | | | 22.1 | 5.6 |
| NW | .7 | 5.4 | 6.0 | | | | | | | | | 12.1 | 6.4 |
| NNW | 1.3 | 2.0 | .7 | | | | | | | | | 4.0 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 24.2 | 51.0 | 18.1 | 2.7 | | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

19

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.8 | 1.8 | | | | | | | | | | 3.6 | 3.3 |
| NNE | .9 | .9 | | | | | | | | | | 1.8 | 2.5 |
| NE | .9 | | .9 | | | | | | | | | 1.8 | 4.5 |
| ENE | .9 | | | | | | | | | | | .9 | 1.0 |
| E | 8.0 | .9 | | .9 | | | | | | | | 9.8 | 3.7 |
| ESE | 2.7 | 1.8 | | .9 | | | | | | | | 5.4 | 4.5 |
| SE | | .9 | | | | | | | | | | .9 | 4.0 |
| SSE | 2.7 | .9 | | | | | | | | | | 3.6 | 2.5 |
| S | 4.5 | 2.7 | | | | | | | | | | 7.1 | 3.3 |
| SSW | | 1.8 | 1.8 | | | | | | | | | 3.6 | 5.8 |
| SW | 3.6 | 2.7 | | | | | | | | | | 6.2 | 3.0 |
| WSW | | | | .9 | | | | | | | | .9 | 12.0 |
| W | 2.7 | 2.7 | .9 | | | | | | | | | 6.2 | 4.6 |
| WNW | 2.7 | .9 | | .9 | | | | | | | | 4.5 | 4.8 |
| NW | 3.6 | 1.8 | | | | | | | | | | 5.4 | 3.2 |
| NNW | 1.8 | 1.8 | | | | | | | | | | 3.6 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.8 | |
| | 36.6 | 21.4 | 3.6 | 3.6 | | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73,77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.7 | 2.7 | | | | | | | | | | 5.4 | 4.0 |
| NNE | | | | | | | | | | | | | |
| NE | 2.7 | | | | | | | | | | | 2.7 | 3.0 |
| ENE | 5.4 | 2.7 | 2.7 | | | | | | | | | 10.8 | 4.8 |
| E | 8.1 | 18.9 | 8.1 | | | | | | | | | 35.1 | 5.1 |
| ESE | | 5.4 | | | | | | | | | | 5.4 | 5.0 |
| SE | 2.7 | | | | | | | | | | | 2.7 | 1.0 |
| SSE | | | 2.7 | | | | | | | | | 2.7 | 7.0 |
| S | | 2.7 | | | | | | | | | | 2.7 | 4.0 |
| SSW | | | 5.4 | | | | | | | | | 5.4 | 7.0 |
| SW | | | | | | | | | | | | | |
| WSW | 2.7 | | | | | | | | | | | 2.7 | 3.0 |
| W | | | 2.7 | | | | | | | | | 2.7 | 8.0 |
| WNW | | | | 2.7 | | | | | | | | 2.7 | 12.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.9 | |
| | 24.3 | 32.4 | 21.6 | 2.7 | | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS

37

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | 1.2 | | | | | | | | | | 2.5 | 3.4 |
| NNE | 1.2 | 1.5 | .3 | | | | | | | | | 2.9 | 4.1 |
| NE | 1.2 | 1.6 | .1 | | | | | | | | | 2.9 | 4.0 |
| ENE | 1.5 | 2.5 | .8 | .1 | | | | | | | | 4.9 | 5.0 |
| E | 3.2 | 4.9 | 4.0 | .8 | | .1 | | | | | | 13.0 | 6.1 |
| ESE | .7 | 1.9 | .4 | .9 | .3 | | | | | | | 4.1 | 7.4 |
| SE | .4 | .1 | | .1 | | | | | | | | .7 | 4.6 |
| SSE | .4 | .3 | .1 | .1 | | | | | | | | .9 | 4.6 |
| S | 1.2 | 1.3 | .9 | | | | | | | | | 3.5 | 4.8 |
| SSW | 1.1 | 2.8 | 2.1 | .1 | | | | | | | | 6.1 | 5.4 |
| SW | 1.3 | 3.5 | 1.1 | .1 | | | | | | | | 6.0 | 5.2 |
| WSW | 2.3 | 3.7 | .8 | .3 | | | | | | | | 7.0 | 4.6 |
| W | 2.7 | 7.2 | 2.4 | .4 | | | | | | | | 12.6 | 5.3 |
| WNW | 1.5 | 5.7 | 4.5 | .4 | | | | | | | | 12.1 | 6.2 |
| NW | 1.5 | 3.2 | 3.3 | .3 | | | | | | | | 8.2 | 6.0 |
| NNW | .7 | 2.0 | .8 | | | | | | | | | 3.5 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.9 | |
| | 21.9 | 43.4 | 21.7 | 3.7 | .3 | .1 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

752

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

DEC
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | 50.0 | | 50.0 | | | | | | | | | 100.0 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 50.0 | | 50.0 | | | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

2

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

DEC
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | 100.0 | | | | | | | | | | | 100.0 | 3.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | .0 | |
| CALM | | | | | | | | | | | | | |
| | 100.0 | | | | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115 STATION IMPERIAL BEACH, CALIFORNIA STATION NAME 73-77 YEARS DEC MONTH 07 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .7 | | | | | | | | | | | .7 | 3.0 |
| NNE | 3.4 | 4.1 | | | | | | | | | | 7.4 | 3.7 |
| NE | 4.7 | 4.7 | 1.4 | | | | | | | | | 10.8 | 4.4 |
| ENE | 4.1 | 9.5 | 6.1 | | | | | | | | | 19.6 | 5.6 |
| E | 2.0 | 17.6 | 22.3 | .7 | 2.0 | | .7 | | | | | 45.3 | 7.6 |
| ESE | 1.4 | 2.0 | | | | | | | | | | 3.4 | 3.6 |
| SE | | | | | | | | | | | | | |
| SSE | | | | .7 | | | | | | | | .7 | 14.0 |
| S | | | 1.4 | | | | | | | | | 1.4 | 8.0 |
| SSW | | | .7 | | | | | | | | | .7 | 7.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | .7 | | | | | | | | | .7 | 8.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | 9.5 | |
| CALM | | | | | | | | | | | | | |
| | 16.2 | 37.8 | 32.4 | 1.4 | 2.0 | | .7 | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 148

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93115 STATION NAME IMPERIAL BEACH, CALIFORNIA YEARS 73-77 MONTH DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 10
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 6.0 | 4.6 | 1.3 | | | | | | | | | 11.9 | 3.9 |
| NNE | 2.0 | 2.0 | .7 | | | | | | | | | 4.6 | 4.0 |
| NE | 1.3 | 2.6 | .7 | | | | | | | | | 4.6 | 4.4 |
| ENE | 2.6 | 1.3 | 1.3 | | | | | | | | | 5.3 | 4.4 |
| E | 4.6 | 9.9 | 8.6 | | 1.3 | | | .7 | | | | 25.2 | 7.3 |
| ESE | 2.6 | 1.3 | | .7 | 1.3 | | | | | | | 6.0 | 7.4 |
| SE | 2.0 | | .7 | | | | | | | | | 2.6 | 4.5 |
| SSE | | | | | | | | | | | | | |
| S | 1.3 | 2.0 | 2.6 | | | | | | | | | 6.0 | 6.0 |
| SSW | .7 | 2.0 | 2.0 | | | | | | | | | 4.6 | 5.9 |
| SW | .7 | 1.3 | | | | | | | | | | 2.0 | 4.0 |
| WSW | 2.0 | 1.3 | 1.3 | | | | | | | | | 4.6 | 4.6 |
| W | 1.3 | 1.3 | 1.3 | 1.3 | | | | | | | | 5.3 | 6.5 |
| WNW | | 2.0 | | | | | | | | | | 2.0 | 4.7 |
| NW | 1.3 | 2.6 | | | | | | | | | | 4.0 | 3.8 |
| NNW | .7 | 1.3 | .7 | | | | | | | | | 2.6 | 5.8 |
| VARBL | | | | | | | | | | | | 8.6 | |
| CALM | | | | | | | | | | | | | |
| | 29.1 | 35.8 | 21.2 | 2.0 | 2.6 | | | .7 | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 151

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.3 | | | | | | | | | | 1.3 | 5.5 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | .7 | | | | .7 | | | | | 1.3 | 20.0 |
| ESE | | .7 | | | .7 | | | | | | | 1.3 | 13.0 |
| SE | | | | .7 | | | | | | | | .7 | 14.0 |
| SSE | | .7 | | | | | | | | | | .7 | 6.0 |
| S | | .7 | 1.3 | | | | | | | | | 2.0 | 7.3 |
| SSW | 1.3 | 3.3 | 5.3 | .7 | | | | | | | | 10.6 | 7.3 |
| SW | .7 | 4.0 | 4.0 | | | | | | | | | 8.6 | 6.7 |
| WSW | 3.3 | 4.6 | 3.3 | | | | | | | | | 11.3 | 4.9 |
| W | 2.6 | 14.6 | 9.9 | .7 | | | | | | | | 27.8 | 6.0 |
| WNW | 2.0 | 6.0 | 13.9 | .7 | | | | | | | | 22.5 | 6.9 |
| NW | | 2.6 | 6.6 | .7 | | | | | | | | 9.9 | 7.1 |
| NNW | .7 | .7 | | | | | | | | | | 1.3 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 10.6 | 39.1 | 45.0 | 3.3 | .7 | | .7 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS

151

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | .7 | | | | | | | | | .7 | 7.0 |
| E | | 1.3 | | | | .7 | | | | | | 2.0 | 11.3 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | 2.0 | 2.6 | .7 | .7 | | | | | | | | 6.0 | 4.8 |
| SSW | 3.3 | 4.6 | 2.6 | | | | | | | | | 10.6 | 5.1 |
| SW | 3.3 | 5.3 | .7 | | | | | | | | | 9.3 | 4.3 |
| WSW | 3.3 | 2.6 | 2.0 | .7 | | | | | | | | 8.6 | 4.7 |
| W | 6.0 | 9.9 | .7 | | | | | | | | | 16.6 | 3.9 |
| WNW | 4.6 | 11.9 | 4.6 | | | | | | | | | 21.2 | 5.1 |
| NW | 3.3 | 7.9 | 1.3 | | | | | | | | | 12.6 | 5.2 |
| NNW | .7 | 2.6 | 1.3 | | | | | | | | | 4.6 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.9 | |
| | 26.5 | 49.0 | 14.6 | 1.3 | | .7 | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 151

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.8 | .9 | | | | | | | | | | 2.7 | 2.7 |
| NNE | | .9 | | | | | | | | | | .9 | 4.0 |
| NE | | .9 | | | | | | | | | | .9 | 6.0 |
| ENE | | | | | | | | | | | | | |
| E | 8.2 | 10.0 | 1.8 | 1.8 | | | .9 | | | | | 22.7 | 5.9 |
| ESE | 3.6 | .9 | | | | | | | | | | 4.5 | 3.0 |
| SE | 3.6 | | | | | | | | | | | 3.6 | 1.3 |
| SSE | 2.7 | 1.8 | | | | | | | | | | 4.5 | 2.8 |
| S | 2.7 | 3.6 | .9 | | | | | | | | | 7.3 | 3.8 |
| SSW | | 1.8 | | | | | | | | | | 1.8 | 5.5 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | .9 | | .9 | | | | | | | | 1.8 | 9.0 |
| WNW | 1.8 | | | | | | | | | | | 1.8 | 3.0 |
| NW | 2.7 | 2.7 | | | | | | | | | | 5.5 | 3.7 |
| NNW | .9 | | | | | | | | | | | .9 | 1.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.9 | |
| | 28.2 | 24.5 | 2.7 | 2.7 | | | .9 | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73,77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 8.3 | | | | | | | | | | | 8.3 | 2.5 |
| NNE | 4.2 | | | | | | | | | | | 4.2 | 1.0 |
| NE | | | | | | | | | | | | | |
| ENE | 4.2 | | 4.2 | | | | | | | | | 8.3 | 5.0 |
| E | 4.2 | 16.7 | | | 4.2 | 4.2 | | | | | | 29.2 | 9.9 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | 4.2 | | | | | | | | | | | 4.2 | 3.0 |
| S | 4.2 | | | | | | | | | | | 4.2 | 3.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 41.7 | |
| | 29.2 | 16.7 | 4.2 | | 4.2 | 4.2 | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS

24

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.9 | 1.4 | .3 | | | | | | | | | 3.5 | 3.7 |
| NNE | 1.2 | 1.4 | .1 | | | | | | | | | 2.7 | 3.7 |
| NE | 1.2 | 1.6 | .4 | | | | | | | | | 3.3 | 4.5 |
| ENE | 1.5 | 2.2 | 1.8 | | | | | | | | | 5.4 | 5.4 |
| E | 3.0 | 7.9 | 6.8 | .4 | .8 | .3 | .4 | .1 | | | | 19.6 | 7.5 |
| ESE | 1.4 | .9 | | .1 | .4 | | | | | | | 2.8 | 6.0 |
| SE | .9 | | .1 | .1 | | | | | | | | 1.2 | 4.1 |
| SSE | .5 | .4 | | .1 | | | | | | | | 1.1 | 4.6 |
| S | 1.2 | 1.6 | 1.4 | .1 | | | | | | | | 4.3 | 5.3 |
| SSW | 1.1 | 2.3 | 2.2 | .1 | | | | | | | | 5.7 | 6.1 |
| SW | .9 | 2.2 | .9 | | | | | | | | | 4.1 | 5.3 |
| WSW | 1.8 | 1.8 | 1.4 | .1 | | | | | | | | 5.0 | 4.8 |
| W | 2.0 | 5.4 | 2.6 | .5 | | | | | | | | 10.6 | 5.5 |
| WNW | 1.6 | 4.1 | 3.8 | .1 | | | | | | | | 9.6 | 5.9 |
| NW | 1.4 | 3.1 | 1.6 | .1 | | | | | | | | 6.2 | 5.4 |
| NNW | .5 | .9 | .4 | | | | | | | | | 1.9 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.9 | |
| | 22.2 | 37.1 | 23.7 | 2.0 | 1.2 | .3 | .4 | .1 | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

738

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .6 | .2 | .0 | | | | | | | | 1.5 | 3.9 |
| NNE | .8 | .6 | .1 | .0 | | | | | | | | 1.5 | 3.8 |
| NE | .8 | .7 | .1 | .0 | | | | | | | | 1.6 | 3.8 |
| ENE | .7 | 1.2 | .4 | .0 | .0 | | | | | | | 2.4 | 4.9 |
| E | 1.5 | 3.3 | 2.4 | .3 | .1 | .0 | .0 | .0 | | | | 7.7 | 6.3 |
| ESE | .7 | .8 | .4 | .3 | .2 | .0 | | | | | | 2.3 | 6.9 |
| SE | .4 | .2 | .1 | .1 | | | | | | | | .7 | 4.9 |
| SSE | .3 | .3 | .1 | .1 | .0 | | | | | | | .4 | 5.4 |
| S | 1.3 | 1.7 | 1.2 | .5 | .1 | .0 | | | | | | 4.7 | 6.0 |
| SSW | 1.3 | 2.4 | 2.9 | .3 | .0 | | | | | | | 7.0 | 6.3 |
| SW | 1.1 | 3.2 | 2.5 | .3 | .0 | | | | | | | 7.1 | 6.0 |
| WSW | 1.7 | 4.7 | 2.8 | .3 | .0 | | | | | | | 9.5 | 5.7 |
| W | 2.8 | 8.4 | 7.7 | .7 | .1 | | | | | | | 19.6 | 6.2 |
| WNW | 2.0 | 5.7 | 7.1 | .9 | .0 | | | | | | | 15.8 | 6.7 |
| NW | 1.6 | 3.5 | 2.7 | .4 | | | | | | | | 8.2 | 6.0 |
| NNW | .7 | 1.2 | .4 | .1 | | | | | | | | 2.4 | 5.0 |
| VARBL | | | | | | | | | | | | 7.3 | |
| CALM | | | | | | | | | | | | | |
| | 18.5 | 38.3 | 31.0 | 4.3 | .5 | .1 | .0 | .0 | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS

8754

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .4 | .1 | | | | | | | | | 1.0 | 3.8 |
| NNE | .9 | .4 | .1 | | | | | | | | | 1.3 | 3.4 |
| NE | .7 | .7 | | | | | | | | | | 1.4 | 3.4 |
| ENE | .8 | .8 | | | | | | | | | | 1.6 | 3.5 |
| E | 1.1 | 2.6 | .8 | | | | .1 | | | | | 4.6 | 5.5 |
| ESE | .7 | 1.0 | .1 | | | | | | | | | 1.7 | 3.7 |
| SE | .2 | .2 | .1 | .1 | | | | | | | | .6 | 5.3 |
| SSE | .4 | .5 | .1 | .1 | | | | | | | | 1.1 | 4.6 |
| S | 2.7 | 3.1 | 1.6 | .4 | | | | | | | | 7.8 | 5.1 |
| SSW | 2.6 | 3.7 | 3.1 | .2 | | | | | | | | 9.7 | 5.5 |
| SW | 2.0 | 4.4 | 2.1 | .2 | | | | | | | | 8.8 | 5.3 |
| WSW | 2.8 | 5.8 | 1.6 | .1 | | | | | | | | 10.3 | 4.8 |
| W | 4.7 | 9.3 | 4.3 | .1 | | | | | | | | 18.4 | 5.1 |
| WNW | 3.7 | 5.9 | 3.3 | .2 | .1 | | | | | | | 13.2 | 5.2 |
| NW | 2.6 | 3.2 | 1.4 | | | | | | | | | 7.3 | 4.5 |
| NNW | .7 | .8 | .2 | | | | | | | | | 1.6 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.6 | |
| | 27.3 | 42.8 | 18.7 | 1.5 | .1 | | .1 | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

1665

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NWSD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|----------|----------|----------|----------|---------------------|----------|---------------------|---------------------|----------|--------------------|--------------------|--------------------|--------------------|---------------------|----------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | $\geq 2\frac{1}{2}$ | ≥ 2 | $\geq 1\frac{1}{2}$ | $\geq 1\frac{1}{4}$ | ≥ 1 | $\geq \frac{3}{4}$ | $\geq \frac{1}{2}$ | $\geq \frac{1}{4}$ | $\geq \frac{1}{8}$ | $\geq \frac{1}{16}$ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | 91.0 | | | | | | | | | | | 92.6 |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | 95.4 | | 96.9 | | | 98.3 | | | | | | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| <u>OKTAS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 20000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 18000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 16000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 14000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 12000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 10000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 9000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 8000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 7000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 6000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 5000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 4500 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 4000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 3500 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 3000 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 2500 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 2000 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 25.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

4

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 20000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 18000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 16000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 14000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 12000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 10000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 9000 | 40.0 | 60.0 | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 8000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 60.0 | 80.0 | 80.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 5

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 70

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 53.3 | 58.6 | 60.5 | 60.5 | 60.5 | 60.5 | 61.2 | 61.2 | 61.2 | 61.8 | 61.8 | 61.8 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 20000 | 55.3 | 61.2 | 63.8 | 63.8 | 63.8 | 63.8 | 64.5 | 64.5 | 64.5 | 65.1 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 18000 | 55.3 | 61.2 | 63.8 | 63.8 | 63.8 | 63.8 | 64.5 | 64.5 | 64.5 | 65.1 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 16000 | 55.3 | 61.2 | 63.8 | 63.8 | 63.8 | 63.8 | 64.5 | 64.5 | 64.5 | 65.1 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 14000 | 55.3 | 61.2 | 63.8 | 63.8 | 63.8 | 63.8 | 64.5 | 64.5 | 64.5 | 65.1 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 12000 | 55.9 | 61.8 | 64.5 | 64.5 | 64.5 | 64.5 | 65.1 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 66.5 | 66.5 | 66.5 | 66.5 |
| IV 10000 | 58.6 | 64.5 | 67.1 | 67.1 | 67.1 | 67.8 | 68.4 | 68.4 | 68.4 | 69.1 | 69.1 | 69.1 | 69.7 | 69.7 | 69.7 | 69.7 |
| IV 9000 | 58.6 | 64.5 | 67.1 | 67.1 | 67.1 | 67.8 | 68.4 | 68.4 | 68.4 | 69.1 | 69.1 | 69.1 | 69.7 | 69.7 | 69.7 | 69.7 |
| IV 8000 | 63.2 | 69.1 | 71.7 | 71.7 | 71.7 | 72.4 | 73.0 | 73.0 | 73.0 | 73.7 | 73.7 | 73.7 | 74.3 | 74.3 | 74.3 | 74.3 |
| IV 7000 | 63.8 | 69.7 | 72.4 | 72.4 | 72.4 | 73.0 | 73.7 | 73.7 | 73.7 | 74.3 | 74.3 | 74.3 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 6000 | 63.8 | 69.7 | 72.4 | 72.4 | 72.4 | 73.0 | 73.7 | 73.7 | 73.7 | 74.3 | 74.3 | 74.3 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 5000 | 64.5 | 70.4 | 73.0 | 73.0 | 73.0 | 73.7 | 74.3 | 74.3 | 74.3 | 75.0 | 75.0 | 75.0 | 75.7 | 75.7 | 75.7 | 75.7 |
| IV 4500 | 66.5 | 72.4 | 75.0 | 75.0 | 75.0 | 75.7 | 76.3 | 76.3 | 76.3 | 77.0 | 77.0 | 77.0 | 77.6 | 77.6 | 77.6 | 77.6 |
| IV 4000 | 67.8 | 74.3 | 77.0 | 77.0 | 77.0 | 77.6 | 78.3 | 78.3 | 78.3 | 79.0 | 79.0 | 79.0 | 79.6 | 79.6 | 79.6 | 79.6 |
| IV 3500 | 69.7 | 76.3 | 79.0 | 79.0 | 79.0 | 79.6 | 80.3 | 80.3 | 80.3 | 80.9 | 80.9 | 80.9 | 81.6 | 81.6 | 81.6 | 81.6 |
| IV 3000 | 73.7 | 80.3 | 82.9 | 82.9 | 82.9 | 83.6 | 84.2 | 84.2 | 84.2 | 84.9 | 84.9 | 84.9 | 85.5 | 85.5 | 85.5 | 85.5 |
| IV 2500 | 75.7 | 82.9 | 85.5 | 85.5 | 85.5 | 86.2 | 86.8 | 86.8 | 86.8 | 87.5 | 87.5 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 2000 | 78.3 | 85.5 | 88.8 | 88.8 | 88.8 | 89.5 | 90.1 | 90.1 | 90.1 | 90.8 | 90.8 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 |
| IV 1800 | 79.0 | 86.2 | 89.5 | 89.5 | 89.5 | 90.1 | 90.8 | 90.8 | 90.8 | 91.5 | 91.5 | 91.5 | 92.1 | 92.1 | 92.1 | 92.1 |
| IV 1500 | 79.6 | 86.8 | 92.1 | 92.1 | 92.1 | 92.8 | 93.4 | 94.1 | 94.1 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 1200 | 79.6 | 89.5 | 92.8 | 93.4 | 93.4 | 94.1 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 1000 | 79.6 | 90.1 | 93.4 | 94.1 | 94.7 | 95.4 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 900 | 79.6 | 90.1 | 93.4 | 94.1 | 94.7 | 95.4 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 800 | 79.6 | 90.1 | 93.4 | 94.1 | 94.7 | 95.4 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 700 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 600 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 500 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 400 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 300 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 200 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 100 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 98.7 | 100.0 | 100.0 |
| IV 0 | 79.6 | 90.1 | 93.4 | 94.1 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 98.7 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 152

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 46.5 | 59.4 | 60.7 | 62.6 | 63.9 | 65.2 | 65.2 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| ≥ 20000 | 51.0 | 64.5 | 65.8 | 67.7 | 69.7 | 71.0 | 71.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 18000 | 51.6 | 65.2 | 66.5 | 68.4 | 70.3 | 71.6 | 71.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| IV 16000 | 51.6 | 65.2 | 66.5 | 68.4 | 70.3 | 71.6 | 71.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| IV 14000 | 52.3 | 65.8 | 67.1 | 69.0 | 71.0 | 72.3 | 72.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 12000 | 52.9 | 66.5 | 67.7 | 69.7 | 71.6 | 72.9 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| IV 10000 | 54.2 | 68.4 | 69.7 | 71.6 | 73.6 | 74.8 | 75.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 9000 | 54.2 | 68.4 | 69.7 | 71.6 | 73.6 | 74.8 | 75.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 8000 | 55.5 | 71.0 | 72.3 | 74.2 | 76.1 | 77.4 | 78.1 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 7000 | 56.1 | 71.6 | 72.9 | 74.8 | 76.8 | 78.1 | 78.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 6000 | 56.8 | 72.3 | 73.6 | 75.5 | 77.4 | 78.7 | 79.4 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| IV 5000 | 58.1 | 74.2 | 75.5 | 77.4 | 79.4 | 80.7 | 81.3 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 4500 | 58.1 | 74.2 | 75.5 | 77.4 | 79.4 | 80.7 | 81.3 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 4000 | 59.4 | 75.5 | 76.8 | 78.7 | 80.7 | 81.9 | 82.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 3500 | 61.3 | 77.4 | 78.7 | 80.7 | 82.6 | 83.9 | 84.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| IV 3000 | 63.9 | 80.0 | 81.3 | 83.2 | 85.2 | 86.5 | 87.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 2500 | 67.1 | 83.2 | 84.5 | 86.5 | 88.4 | 89.7 | 90.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| IV 2000 | 69.7 | 86.5 | 87.7 | 89.7 | 91.6 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 1800 | 69.7 | 86.5 | 87.7 | 89.7 | 91.6 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 1500 | 70.3 | 87.1 | 89.0 | 91.0 | 93.6 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 1200 | 70.3 | 87.7 | 89.7 | 91.6 | 94.2 | 95.5 | 96.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 1000 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.1 | 96.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 900 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.1 | 96.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 800 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.1 | 96.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 700 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.1 | 96.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 600 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 500 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 400 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 300 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 200 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 100 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 0 | 71.0 | 88.4 | 90.3 | 92.3 | 94.8 | 96.8 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 54.8 | 61.3 | 63.2 | 65.2 | 65.2 | 66.5 | 66.5 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 20000 | 60.0 | 69.0 | 71.6 | 73.6 | 74.2 | 75.5 | 75.5 | 76.1 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 18000 | 60.0 | 69.0 | 71.6 | 73.6 | 74.2 | 75.5 | 75.5 | 76.1 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 16000 | 60.0 | 69.0 | 71.6 | 73.6 | 74.2 | 75.5 | 75.5 | 76.1 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 14000 | 60.0 | 69.0 | 71.6 | 73.6 | 74.2 | 75.5 | 75.5 | 76.1 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 12000 | 60.7 | 69.7 | 72.9 | 75.5 | 76.1 | 77.4 | 77.4 | 78.1 | 78.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| IV 10000 | 61.3 | 70.3 | 73.6 | 76.1 | 76.8 | 78.1 | 78.1 | 78.7 | 78.7 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 9000 | 61.3 | 70.3 | 73.6 | 76.1 | 76.8 | 78.1 | 78.1 | 78.7 | 78.7 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 8000 | 63.9 | 72.9 | 76.1 | 78.7 | 79.4 | 80.7 | 80.7 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 7000 | 63.9 | 72.9 | 76.1 | 78.7 | 79.4 | 80.7 | 80.7 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 6000 | 64.5 | 73.6 | 76.8 | 79.4 | 80.0 | 81.3 | 81.3 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 5000 | 66.5 | 76.1 | 79.4 | 81.9 | 82.6 | 83.9 | 83.9 | 84.5 | 84.5 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 4500 | 66.5 | 76.1 | 79.4 | 81.9 | 82.6 | 83.9 | 83.9 | 84.5 | 84.5 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 4000 | 68.4 | 78.7 | 81.9 | 84.5 | 85.2 | 86.5 | 86.5 | 87.1 | 87.1 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| IV 3500 | 71.0 | 81.3 | 84.5 | 87.1 | 87.7 | 89.0 | 89.0 | 89.7 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| IV 3000 | 72.9 | 83.2 | 86.5 | 89.0 | 89.7 | 91.0 | 91.0 | 91.6 | 91.6 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| IV 2500 | 74.8 | 85.2 | 89.0 | 91.6 | 92.3 | 93.6 | 94.2 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 2000 | 76.1 | 86.5 | 90.3 | 92.9 | 93.6 | 94.8 | 95.5 | 96.1 | 96.1 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 1800 | 76.1 | 86.5 | 90.3 | 92.9 | 93.6 | 94.8 | 95.5 | 96.1 | 96.1 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 1500 | 77.4 | 87.7 | 91.6 | 94.2 | 94.8 | 96.1 | 96.8 | 97.4 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 1200 | 77.4 | 87.7 | 91.6 | 94.2 | 94.8 | 96.1 | 96.8 | 97.4 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 1000 | 78.1 | 89.0 | 92.9 | 95.5 | 96.1 | 97.4 | 98.1 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 900 | 78.1 | 89.0 | 92.9 | 95.5 | 96.1 | 97.4 | 98.1 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 800 | 78.1 | 89.0 | 92.9 | 95.5 | 96.1 | 97.4 | 98.1 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 700 | 78.1 | 89.0 | 92.9 | 95.5 | 96.1 | 97.4 | 98.1 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 600 | 78.1 | 89.0 | 92.9 | 95.5 | 96.1 | 97.4 | 98.1 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 500 | 78.1 | 89.0 | 93.6 | 96.1 | 96.8 | 98.1 | 98.7 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 78.1 | 89.0 | 93.6 | 96.1 | 96.8 | 98.1 | 98.7 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 78.1 | 89.0 | 93.6 | 96.1 | 96.8 | 98.1 | 98.7 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 78.1 | 89.0 | 93.6 | 96.1 | 96.8 | 98.1 | 98.7 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 78.1 | 89.0 | 93.6 | 96.1 | 96.8 | 98.1 | 98.7 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 78.1 | 89.0 | 93.6 | 96.1 | 96.8 | 98.1 | 98.7 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 57.2 | 63.8 | 66.5 | 66.5 | 67.1 | 67.1 | 67.8 | 67.8 | 67.8 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 20000 | 61.8 | 71.7 | 74.3 | 75.0 | 75.7 | 75.7 | 76.3 | 76.3 | 76.3 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| IV 18000 | 63.2 | 73.0 | 75.7 | 76.3 | 77.0 | 77.0 | 77.6 | 77.6 | 77.6 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| IV 16000 | 63.2 | 73.0 | 75.7 | 76.3 | 77.0 | 77.0 | 77.6 | 77.6 | 77.6 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| IV 14000 | 63.8 | 73.7 | 76.3 | 77.0 | 77.6 | 77.6 | 78.3 | 78.3 | 78.3 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| IV 12000 | 65.1 | 75.0 | 77.6 | 78.3 | 79.0 | 79.0 | 79.6 | 79.6 | 79.6 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| IV 10000 | 65.8 | 76.3 | 79.0 | 79.6 | 80.3 | 80.3 | 80.9 | 80.9 | 80.9 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| IV 9000 | 66.5 | 77.0 | 79.6 | 80.3 | 80.9 | 80.9 | 81.6 | 81.6 | 81.6 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| IV 8000 | 69.7 | 80.3 | 82.9 | 83.6 | 84.2 | 84.2 | 84.9 | 84.9 | 84.9 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| IV 7000 | 70.4 | 80.9 | 83.6 | 84.2 | 84.9 | 84.9 | 85.5 | 85.5 | 85.5 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| IV 6000 | 71.1 | 81.6 | 84.2 | 84.9 | 85.5 | 85.5 | 86.2 | 86.2 | 86.2 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| IV 5000 | 71.7 | 82.2 | 84.9 | 85.5 | 86.2 | 86.2 | 86.8 | 86.8 | 86.8 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| IV 4500 | 71.7 | 82.2 | 84.9 | 85.5 | 86.2 | 86.2 | 86.8 | 86.8 | 86.8 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| IV 4000 | 72.4 | 82.9 | 85.5 | 86.2 | 86.8 | 86.8 | 87.5 | 87.5 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 3500 | 75.7 | 86.2 | 88.8 | 89.5 | 90.1 | 90.1 | 90.8 | 90.8 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| IV 3000 | 76.3 | 86.8 | 89.5 | 90.1 | 90.8 | 90.8 | 91.5 | 91.5 | 91.5 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| IV 2500 | 79.0 | 89.5 | 92.1 | 92.8 | 93.4 | 93.4 | 94.1 | 94.1 | 94.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 2000 | 79.0 | 89.5 | 92.1 | 92.8 | 93.4 | 93.4 | 94.1 | 94.1 | 94.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 1800 | 79.0 | 89.5 | 92.1 | 92.8 | 93.4 | 93.4 | 94.1 | 94.1 | 94.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 1500 | 80.3 | 91.5 | 94.1 | 94.7 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| IV 1200 | 80.9 | 92.1 | 95.4 | 96.1 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 1000 | 80.9 | 92.1 | 95.4 | 96.1 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 900 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 800 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 700 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 600 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 500 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 400 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 300 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 200 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 100 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 |
| 0 | 80.9 | 92.1 | 96.1 | 96.7 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 152

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJAN
MONTH19
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 38.8 | 60.3 | 64.7 | 64.7 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| ≥ 20000 | 40.5 | 63.8 | 68.1 | 68.1 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| IV 18000 | 40.5 | 63.8 | 68.1 | 68.1 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| IV 16000 | 40.5 | 63.8 | 68.1 | 68.1 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| IV 14000 | 42.2 | 65.5 | 69.8 | 69.8 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| IV 12000 | 42.2 | 66.4 | 70.7 | 70.7 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 10000 | 43.1 | 67.2 | 71.6 | 71.6 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| IV 9000 | 43.1 | 67.2 | 71.6 | 71.6 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| IV 8000 | 44.8 | 69.8 | 74.1 | 74.1 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 7000 | 45.7 | 70.7 | 75.0 | 75.0 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| IV 6000 | 46.6 | 71.6 | 75.9 | 75.9 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| IV 5000 | 47.4 | 73.3 | 77.6 | 77.6 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 4500 | 47.4 | 74.1 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| IV 4000 | 49.1 | 75.9 | 80.2 | 80.2 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| IV 3500 | 50.0 | 77.6 | 81.9 | 81.9 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| IV 3000 | 54.3 | 81.9 | 86.2 | 86.2 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 2500 | 54.3 | 81.9 | 87.1 | 87.1 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| IV 2000 | 55.2 | 84.5 | 89.7 | 89.7 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| IV 1800 | 55.2 | 84.5 | 89.7 | 89.7 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| IV 1500 | 55.2 | 85.3 | 90.5 | 90.5 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| IV 1200 | 55.2 | 87.1 | 93.1 | 93.1 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 1000 | 55.2 | 88.8 | 94.8 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 900 | 55.2 | 88.8 | 94.8 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 800 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 700 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 600 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 500 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 400 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 300 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 200 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 100 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 100.0 | 100.0 |
| IV 0 | 55.2 | 88.8 | 94.8 | 94.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-74
YEARSJAN
MONTH22
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 13.3 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 53.3 | 53.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 20000 | 13.3 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 53.3 | 53.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| IV 18000 | 13.3 | 46.7 | 53.3 | 53.3 | 53.3 | 53.3 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 16000 | 13.3 | 46.7 | 53.3 | 53.3 | 53.3 | 53.3 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 14000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 12000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 10000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 9000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 8000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 7000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 6000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 5000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 4500 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 4000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 3500 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 3000 | 13.3 | 53.3 | 60.0 | 60.0 | 60.0 | 60.0 | 66.7 | 66.7 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 2500 | 13.3 | 66.7 | 73.3 | 73.3 | 73.3 | 73.3 | 80.0 | 80.0 | 80.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| IV 2000 | 13.3 | 73.3 | 80.0 | 80.0 | 80.0 | 80.0 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 1800 | 13.3 | 73.3 | 80.0 | 80.0 | 80.0 | 80.0 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 1500 | 13.3 | 73.3 | 80.0 | 80.0 | 80.0 | 80.0 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 1200 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 13.3 | 73.3 | 86.7 | 86.7 | 86.7 | 86.7 | 93.3 | 93.3 | 93.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 15

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 49.7 | 60.3 | 62.6 | 63.4 | 64.1 | 64.6 | 65.0 | 65.3 | 65.3 | 65.9 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 20000 | 53.3 | 65.7 | 66.2 | 69.1 | 70.0 | 70.6 | 71.0 | 71.4 | 71.4 | 72.0 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 |
| IV 18000 | 53.7 | 66.1 | 68.7 | 69.6 | 70.6 | 71.1 | 71.5 | 71.9 | 71.9 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 16000 | 53.7 | 66.1 | 68.7 | 69.6 | 70.6 | 71.1 | 71.5 | 71.9 | 71.9 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 14000 | 54.2 | 66.7 | 69.4 | 70.4 | 71.4 | 71.9 | 72.3 | 72.7 | 72.7 | 73.3 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 |
| IV 12000 | 54.9 | 67.5 | 70.3 | 71.4 | 72.3 | 72.8 | 73.2 | 73.6 | 73.6 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 |
| IV 10000 | 56.1 | 69.0 | 71.8 | 72.8 | 73.7 | 74.4 | 74.9 | 75.3 | 75.3 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 |
| IV 9000 | 56.2 | 69.1 | 71.9 | 72.9 | 73.9 | 74.5 | 75.1 | 75.5 | 75.5 | 76.1 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 |
| IV 8000 | 59.0 | 72.3 | 75.1 | 76.1 | 77.1 | 77.7 | 78.3 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 7000 | 59.6 | 72.8 | 75.6 | 76.7 | 77.6 | 78.3 | 78.8 | 79.2 | 79.2 | 79.8 | 79.8 | 79.8 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 6000 | 60.1 | 73.3 | 76.1 | 77.2 | 78.1 | 78.8 | 79.3 | 79.7 | 79.7 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 |
| IV 5000 | 61.1 | 74.8 | 77.6 | 78.7 | 79.6 | 80.2 | 80.8 | 81.2 | 81.2 | 81.8 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 |
| IV 4500 | 61.5 | 75.3 | 78.1 | 79.2 | 80.1 | 80.8 | 81.3 | 81.7 | 81.7 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 |
| IV 4000 | 62.9 | 76.9 | 79.7 | 80.8 | 81.7 | 82.4 | 82.9 | 83.3 | 83.3 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 |
| IV 3500 | 65.0 | 79.2 | 82.0 | 83.0 | 84.0 | 84.6 | 85.2 | 85.5 | 85.5 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |
| IV 3000 | 67.5 | 81.7 | 84.5 | 85.5 | 86.6 | 87.3 | 87.8 | 88.2 | 88.2 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 2500 | 69.5 | 84.1 | 87.1 | 88.2 | 89.3 | 89.9 | 90.6 | 91.0 | 91.0 | 91.6 | 91.6 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 |
| IV 2000 | 71.0 | 86.2 | 89.4 | 90.5 | 91.5 | 92.2 | 92.8 | 93.2 | 93.2 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 1800 | 71.1 | 86.3 | 89.5 | 90.6 | 91.6 | 92.3 | 93.0 | 93.4 | 93.4 | 94.0 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 |
| IV 1500 | 71.9 | 87.8 | 91.1 | 92.3 | 93.6 | 94.3 | 95.0 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 1200 | 72.0 | 88.5 | 92.2 | 93.4 | 94.7 | 95.4 | 96.0 | 96.4 | 96.4 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 1000 | 72.3 | 89.3 | 93.0 | 94.2 | 95.6 | 96.3 | 97.0 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 900 | 72.3 | 89.3 | 93.1 | 94.3 | 95.8 | 96.4 | 97.1 | 97.5 | 97.5 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 800 | 72.3 | 89.3 | 93.1 | 94.3 | 95.9 | 96.6 | 97.2 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 700 | 72.3 | 89.3 | 93.1 | 94.3 | 96.0 | 96.7 | 97.4 | 97.9 | 97.9 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| IV 600 | 72.3 | 89.3 | 93.1 | 94.3 | 96.0 | 96.8 | 97.5 | 98.0 | 98.0 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| IV 500 | 72.3 | 89.3 | 93.2 | 94.4 | 96.2 | 97.1 | 97.8 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 400 | 72.3 | 89.3 | 93.2 | 94.4 | 96.2 | 97.1 | 97.8 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 300 | 72.3 | 89.3 | 93.2 | 94.4 | 96.2 | 97.1 | 97.8 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 200 | 72.3 | 89.3 | 93.2 | 94.4 | 96.2 | 97.1 | 97.8 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 100 | 72.3 | 89.3 | 93.2 | 94.4 | 96.2 | 97.1 | 97.8 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 100.0 | 100.0 |
| IV 0 | 72.3 | 89.3 | 93.2 | 94.4 | 96.2 | 97.1 | 97.8 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 754

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

FEB
MONTH

01

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 76

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSFEB
MONTH04
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSFEB
MONTH07
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.9 | 53.7 | 55.2 | 55.2 | 55.2 | 55.9 | 56.6 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.8 | 58.8 |
| IV 20000 | 44.9 | 56.6 | 58.1 | 58.1 | 58.1 | 58.8 | 59.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 62.5 | 62.5 |
| IV 18000 | 44.9 | 56.6 | 58.1 | 58.1 | 58.1 | 58.8 | 59.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 62.5 | 62.5 |
| IV 16000 | 44.9 | 56.6 | 58.1 | 58.1 | 58.1 | 58.8 | 59.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 62.5 | 62.5 |
| IV 14000 | 45.6 | 57.4 | 58.8 | 58.8 | 58.8 | 59.6 | 60.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 63.2 | 63.2 |
| IV 12000 | 46.3 | 58.1 | 59.6 | 59.6 | 59.6 | 60.3 | 61.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 64.0 | 64.0 |
| IV 10000 | 46.3 | 58.8 | 60.3 | 60.3 | 60.3 | 61.0 | 61.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.7 | 64.7 |
| IV 9000 | 46.3 | 58.8 | 60.3 | 60.3 | 60.3 | 61.0 | 61.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.7 | 64.7 |
| IV 8000 | 47.8 | 60.3 | 61.8 | 61.8 | 61.8 | 62.5 | 63.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 66.2 | 66.2 |
| IV 7000 | 47.8 | 60.3 | 61.8 | 61.8 | 61.8 | 62.5 | 63.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 66.2 | 66.2 |
| IV 6000 | 47.8 | 60.3 | 61.8 | 61.8 | 61.8 | 62.5 | 63.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 66.2 | 66.2 |
| IV 5000 | 47.8 | 60.3 | 61.8 | 61.8 | 61.8 | 62.5 | 63.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 66.2 | 66.2 |
| IV 4500 | 47.8 | 60.3 | 61.8 | 61.8 | 61.8 | 62.5 | 63.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 66.2 | 66.2 |
| IV 4000 | 48.5 | 61.0 | 62.5 | 62.5 | 62.5 | 63.2 | 64.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.9 | 66.9 |
| IV 3500 | 49.3 | 61.8 | 63.2 | 63.2 | 63.2 | 64.0 | 64.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 |
| IV 3000 | 50.7 | 63.2 | 64.7 | 64.7 | 64.7 | 65.4 | 66.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 69.1 | 69.9 |
| IV 2500 | 54.4 | 68.4 | 69.9 | 69.9 | 69.9 | 70.6 | 71.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 74.3 | 75.0 |
| IV 2000 | 56.6 | 71.3 | 73.5 | 73.5 | 73.5 | 74.3 | 75.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.9 | 78.7 |
| IV 1800 | 56.6 | 71.3 | 73.5 | 73.5 | 73.5 | 74.3 | 75.0 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.7 | 79.4 |
| IV 1500 | 60.3 | 75.7 | 78.7 | 79.4 | 79.4 | 80.2 | 80.9 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.6 | 85.3 |
| IV 1200 | 60.3 | 75.7 | 78.7 | 79.4 | 79.4 | 80.2 | 80.9 | 84.6 | 84.6 | 84.6 | 85.3 | 85.3 | 85.3 | 85.3 | 86.0 | 86.8 |
| IV 1000 | 60.3 | 77.9 | 81.6 | 83.1 | 84.6 | 85.3 | 86.8 | 90.4 | 90.4 | 90.4 | 91.2 | 91.2 | 91.2 | 91.2 | 91.9 | 92.7 |
| IV 900 | 60.3 | 77.9 | 81.6 | 83.1 | 84.6 | 85.3 | 86.8 | 90.4 | 90.4 | 90.4 | 91.2 | 91.2 | 91.2 | 91.2 | 91.9 | 92.7 |
| IV 800 | 60.3 | 77.9 | 81.6 | 83.1 | 84.6 | 85.3 | 86.8 | 90.4 | 90.4 | 90.4 | 91.2 | 91.2 | 91.2 | 91.2 | 91.9 | 92.7 |
| IV 700 | 60.3 | 77.9 | 81.6 | 83.1 | 84.6 | 85.3 | 86.8 | 90.4 | 90.4 | 90.4 | 91.2 | 91.2 | 91.2 | 91.2 | 91.9 | 92.7 |
| IV 600 | 60.3 | 77.9 | 81.6 | 83.1 | 84.6 | 85.3 | 86.8 | 90.4 | 90.4 | 90.4 | 91.2 | 91.2 | 91.2 | 91.2 | 91.9 | 92.7 |
| IV 500 | 60.3 | 77.9 | 81.6 | 83.1 | 85.3 | 86.8 | 88.2 | 91.9 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 94.1 | 94.9 | 95.6 |
| IV 400 | 60.3 | 77.9 | 81.6 | 83.1 | 85.3 | 86.8 | 88.2 | 91.9 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 94.1 | 94.9 | 95.6 |
| IV 300 | 60.3 | 77.9 | 81.6 | 83.1 | 85.3 | 86.8 | 88.2 | 91.9 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 94.1 | 94.9 | 95.6 |
| IV 200 | 60.3 | 77.9 | 81.6 | 83.1 | 85.3 | 86.8 | 88.2 | 91.9 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 94.1 | 94.9 | 95.6 |
| IV 100 | 60.3 | 77.9 | 81.6 | 83.1 | 85.3 | 86.8 | 88.2 | 91.9 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 94.1 | 94.9 | 95.6 |
| IV 0 | 60.3 | 77.9 | 81.6 | 83.1 | 85.3 | 86.8 | 88.2 | 91.9 | 92.7 | 92.7 | 94.1 | 94.1 | 94.9 | 94.9 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 136

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.8 | 51.1 | 52.5 | 53.9 | 55.3 | 56.0 | 56.7 | 56.7 | 56.7 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 20000 | 44.7 | 54.6 | 57.5 | 58.9 | 61.0 | 61.7 | 62.4 | 63.1 | 63.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 18000 | 44.7 | 54.6 | 57.5 | 58.9 | 61.0 | 61.7 | 62.4 | 63.1 | 63.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 16000 | 44.7 | 54.6 | 57.5 | 58.9 | 61.0 | 61.7 | 62.4 | 63.1 | 63.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 14000 | 46.1 | 56.0 | 59.6 | 61.0 | 63.1 | 63.8 | 64.5 | 65.3 | 65.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| IV 12000 | 46.1 | 56.0 | 60.3 | 61.7 | 63.8 | 64.5 | 65.3 | 66.0 | 66.0 | 68.1 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| IV 10000 | 46.8 | 56.7 | 61.7 | 63.1 | 65.3 | 66.0 | 66.7 | 67.4 | 67.4 | 69.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| IV 9000 | 46.8 | 56.7 | 61.7 | 63.1 | 65.3 | 66.0 | 66.7 | 67.4 | 67.4 | 69.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| IV 8000 | 48.2 | 58.2 | 63.8 | 65.3 | 67.4 | 68.1 | 68.8 | 69.5 | 69.5 | 71.6 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 7000 | 48.9 | 58.9 | 64.5 | 66.0 | 68.1 | 68.8 | 69.5 | 70.2 | 70.2 | 72.3 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| IV 6000 | 48.9 | 58.9 | 64.5 | 66.0 | 68.1 | 68.8 | 69.5 | 70.2 | 70.2 | 72.3 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| IV 5000 | 48.9 | 58.9 | 65.3 | 66.7 | 68.8 | 69.5 | 70.2 | 70.9 | 70.9 | 73.1 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| IV 4500 | 48.9 | 58.9 | 65.3 | 66.7 | 68.8 | 69.5 | 70.2 | 70.9 | 70.9 | 73.1 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| IV 4000 | 49.7 | 59.6 | 66.0 | 67.4 | 69.5 | 70.2 | 70.9 | 71.6 | 71.6 | 73.8 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| IV 3500 | 51.1 | 61.0 | 67.4 | 68.8 | 70.9 | 71.6 | 72.3 | 73.1 | 73.1 | 75.2 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| IV 3000 | 53.2 | 63.1 | 69.5 | 70.9 | 73.1 | 73.8 | 74.5 | 75.2 | 75.2 | 77.3 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| IV 2500 | 56.7 | 66.7 | 73.1 | 74.5 | 76.6 | 77.3 | 78.0 | 78.7 | 78.7 | 80.9 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| IV 2000 | 59.6 | 70.9 | 77.3 | 78.7 | 81.6 | 82.3 | 83.0 | 83.7 | 83.7 | 85.8 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| IV 1800 | 59.6 | 70.9 | 77.3 | 78.7 | 81.6 | 82.3 | 83.0 | 83.7 | 83.7 | 85.8 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| IV 1500 | 62.4 | 74.5 | 81.6 | 83.0 | 86.5 | 87.2 | 87.9 | 88.7 | 88.7 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| IV 1200 | 62.4 | 74.5 | 81.6 | 83.0 | 86.5 | 87.2 | 87.9 | 88.7 | 88.7 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| IV 1000 | 64.5 | 77.3 | 84.4 | 86.5 | 90.1 | 90.8 | 91.5 | 92.2 | 92.2 | 94.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 900 | 64.5 | 77.3 | 84.4 | 86.5 | 90.1 | 90.8 | 91.5 | 92.2 | 92.2 | 94.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 800 | 64.5 | 77.3 | 85.1 | 87.9 | 91.5 | 92.2 | 92.9 | 93.6 | 93.6 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 700 | 64.5 | 77.3 | 85.1 | 87.9 | 91.5 | 92.2 | 92.9 | 93.6 | 93.6 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 600 | 64.5 | 77.3 | 85.1 | 87.9 | 91.5 | 92.2 | 92.9 | 93.6 | 93.6 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 500 | 64.5 | 77.3 | 85.1 | 88.7 | 92.2 | 92.9 | 93.6 | 94.3 | 94.3 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 400 | 64.5 | 77.3 | 85.1 | 88.7 | 92.2 | 92.9 | 93.6 | 94.3 | 94.3 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 300 | 64.5 | 77.3 | 85.1 | 88.7 | 92.2 | 92.9 | 93.6 | 94.3 | 94.3 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 200 | 64.5 | 77.3 | 85.1 | 88.7 | 92.2 | 92.9 | 93.6 | 94.3 | 94.3 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 100 | 64.5 | 77.3 | 85.1 | 88.7 | 92.2 | 92.9 | 93.6 | 94.3 | 94.3 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 0 | 64.5 | 77.3 | 85.1 | 88.7 | 92.2 | 92.9 | 93.6 | 94.3 | 94.3 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 70

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 51.1 | 59.6 | 62.4 | 63.1 | 64.5 | 64.5 | 66.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 20000 | 53.9 | 62.4 | 65.3 | 66.0 | 68.1 | 68.1 | 70.2 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| IV 18000 | 53.9 | 62.4 | 65.3 | 66.0 | 68.1 | 68.1 | 70.2 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| IV 16000 | 53.9 | 62.4 | 65.3 | 66.0 | 68.1 | 68.1 | 70.2 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| IV 14000 | 55.2 | 64.5 | 67.4 | 68.1 | 70.9 | 70.9 | 73.1 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| IV 12000 | 57.5 | 66.7 | 69.5 | 70.9 | 73.8 | 73.8 | 75.9 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| IV 10000 | 58.2 | 67.4 | 70.2 | 71.6 | 74.5 | 74.5 | 76.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| IV 9000 | 58.2 | 67.4 | 70.2 | 71.6 | 74.5 | 74.5 | 76.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| IV 8000 | 59.6 | 69.5 | 72.3 | 73.8 | 76.6 | 76.6 | 78.7 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 7000 | 59.6 | 69.5 | 72.3 | 73.8 | 76.6 | 76.6 | 78.7 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 6000 | 60.3 | 70.2 | 73.1 | 74.5 | 77.3 | 77.3 | 79.4 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| IV 5000 | 60.3 | 70.2 | 73.1 | 74.5 | 77.3 | 77.3 | 79.4 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| IV 4500 | 60.3 | 70.2 | 73.1 | 74.5 | 77.3 | 77.3 | 79.4 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| IV 4000 | 61.0 | 70.9 | 73.8 | 75.2 | 78.0 | 78.0 | 80.1 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| IV 3500 | 62.4 | 72.3 | 75.2 | 76.6 | 79.4 | 79.4 | 81.6 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| IV 3000 | 63.8 | 73.8 | 76.6 | 78.0 | 81.6 | 81.6 | 83.7 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| IV 2500 | 65.3 | 75.2 | 78.0 | 79.4 | 83.7 | 83.7 | 85.8 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| IV 2000 | 68.8 | 78.7 | 82.3 | 83.7 | 87.9 | 87.9 | 90.1 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| IV 1800 | 68.8 | 78.7 | 82.3 | 83.7 | 87.9 | 87.9 | 90.1 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| IV 1500 | 71.6 | 81.6 | 85.1 | 86.5 | 90.8 | 90.8 | 92.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| IV 1200 | 71.6 | 82.3 | 85.8 | 87.2 | 91.5 | 91.5 | 94.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 1000 | 72.3 | 84.4 | 87.9 | 89.4 | 93.6 | 93.6 | 96.5 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 900 | 73.1 | 85.1 | 88.7 | 90.1 | 94.3 | 94.3 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 800 | 73.1 | 85.1 | 88.7 | 90.1 | 94.3 | 94.3 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 700 | 73.1 | 85.1 | 88.7 | 90.1 | 94.3 | 94.3 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 600 | 73.1 | 85.1 | 88.7 | 90.1 | 94.3 | 94.3 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 500 | 73.1 | 85.8 | 89.4 | 90.8 | 95.0 | 95.0 | 97.9 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 400 | 73.1 | 85.8 | 89.4 | 90.8 | 95.0 | 95.0 | 97.9 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 300 | 73.1 | 85.8 | 89.4 | 90.8 | 95.0 | 95.0 | 97.9 | 98.6 | 98.6 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 73.1 | 85.8 | 89.4 | 90.8 | 95.0 | 95.0 | 97.9 | 98.6 | 98.6 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 73.1 | 85.8 | 89.4 | 90.8 | 95.0 | 95.0 | 97.9 | 98.6 | 98.6 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 73.1 | 85.8 | 89.4 | 90.8 | 95.0 | 95.0 | 97.9 | 98.6 | 98.6 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 53.7 | 58.1 | 58.8 | 59.6 | 61.0 | 61.0 | 62.5 | 62.5 | 62.5 | 62.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 20000 | 58.1 | 64.0 | 64.7 | 66.2 | 68.4 | 68.4 | 69.9 | 69.9 | 69.9 | 69.9 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| IV 18000 | 58.1 | 64.0 | 64.7 | 66.2 | 68.4 | 68.4 | 69.9 | 69.9 | 69.9 | 69.9 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| IV 16000 | 58.1 | 64.0 | 64.7 | 66.2 | 68.4 | 68.4 | 69.9 | 69.9 | 69.9 | 69.9 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| IV 14000 | 58.8 | 65.4 | 66.9 | 68.4 | 70.6 | 70.6 | 72.1 | 72.1 | 72.1 | 72.1 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| IV 12000 | 63.2 | 69.9 | 71.3 | 72.8 | 75.0 | 75.0 | 76.5 | 76.5 | 76.5 | 76.5 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| IV 10000 | 64.0 | 70.6 | 72.1 | 73.5 | 75.7 | 75.7 | 77.2 | 77.2 | 77.2 | 77.2 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 9000 | 64.0 | 70.6 | 72.1 | 73.5 | 75.7 | 75.7 | 77.2 | 77.2 | 77.2 | 77.2 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 8000 | 66.9 | 73.5 | 75.0 | 76.5 | 78.7 | 78.7 | 80.2 | 80.2 | 80.2 | 80.2 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| IV 7000 | 67.7 | 74.3 | 75.7 | 77.2 | 79.4 | 79.4 | 80.9 | 80.9 | 80.9 | 80.9 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| IV 6000 | 69.1 | 75.7 | 77.2 | 78.7 | 80.9 | 80.9 | 82.4 | 82.4 | 82.4 | 82.4 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| IV 5000 | 69.1 | 75.7 | 77.9 | 79.4 | 81.6 | 81.6 | 83.1 | 83.1 | 83.1 | 83.1 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 4500 | 69.1 | 75.7 | 77.9 | 79.4 | 81.6 | 81.6 | 83.1 | 83.1 | 83.1 | 83.1 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 4000 | 69.1 | 75.7 | 77.9 | 79.4 | 81.6 | 81.6 | 83.1 | 83.1 | 83.1 | 83.1 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 3500 | 69.1 | 75.7 | 77.9 | 79.4 | 81.6 | 81.6 | 83.1 | 83.1 | 83.1 | 83.1 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 3000 | 70.6 | 77.2 | 79.4 | 80.9 | 83.1 | 83.1 | 84.6 | 84.6 | 84.6 | 84.6 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| IV 2500 | 72.8 | 79.4 | 81.6 | 83.1 | 85.3 | 85.3 | 86.8 | 86.8 | 86.8 | 86.8 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| IV 2000 | 73.5 | 80.9 | 83.1 | 84.6 | 86.8 | 86.8 | 88.2 | 88.2 | 88.2 | 88.2 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 1800 | 73.5 | 80.9 | 83.1 | 84.6 | 86.8 | 86.8 | 88.2 | 88.2 | 88.2 | 88.2 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 1500 | 76.5 | 83.8 | 86.8 | 88.2 | 91.2 | 91.2 | 92.7 | 92.7 | 92.7 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| IV 1200 | 77.2 | 85.3 | 88.2 | 89.7 | 92.7 | 92.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 1000 | 77.2 | 86.0 | 89.0 | 90.4 | 93.4 | 93.4 | 94.9 | 94.9 | 94.9 | 94.9 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 900 | 77.2 | 86.0 | 89.0 | 90.4 | 93.4 | 93.4 | 94.9 | 94.9 | 94.9 | 94.9 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 800 | 77.2 | 86.0 | 89.0 | 90.4 | 93.4 | 93.4 | 94.9 | 94.9 | 94.9 | 94.9 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 700 | 77.2 | 86.0 | 89.0 | 90.4 | 93.4 | 93.4 | 94.9 | 94.9 | 94.9 | 94.9 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 600 | 77.2 | 86.0 | 89.0 | 90.4 | 93.4 | 93.4 | 94.9 | 94.9 | 94.9 | 94.9 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| IV 500 | 77.2 | 86.8 | 89.7 | 91.2 | 94.1 | 94.1 | 94.9 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 400 | 77.2 | 86.8 | 89.7 | 91.2 | 94.1 | 94.1 | 94.9 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| IV 300 | 77.2 | 86.8 | 89.7 | 91.2 | 94.1 | 94.1 | 94.9 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| IV 200 | 77.2 | 86.8 | 89.7 | 91.2 | 94.1 | 94.1 | 94.9 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| IV 100 | 77.2 | 86.8 | 89.7 | 91.2 | 94.1 | 94.1 | 94.9 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| IV 0 | 77.2 | 86.8 | 89.7 | 91.2 | 94.1 | 94.1 | 94.9 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |

TOTAL NUMBER OF OBSERVATIONS 136

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 43.9 | 62.6 | 64.5 | 65.4 | 67.3 | 68.2 | 70.1 | 70.1 | 70.1 | 70.1 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| ≥ 20000 | 43.9 | 63.6 | 65.4 | 66.4 | 68.2 | 69.2 | 71.0 | 71.0 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 18000 | 43.9 | 63.6 | 65.4 | 66.4 | 68.2 | 69.2 | 71.0 | 71.0 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 16000 | 43.9 | 63.6 | 65.4 | 66.4 | 68.2 | 69.2 | 71.0 | 71.0 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 14000 | 43.9 | 63.6 | 66.4 | 67.3 | 69.2 | 70.1 | 72.0 | 72.0 | 72.0 | 72.0 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| IV 12000 | 45.8 | 65.4 | 68.2 | 69.2 | 71.0 | 72.0 | 73.8 | 73.8 | 73.8 | 73.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| IV 10000 | 47.7 | 68.2 | 71.0 | 72.0 | 73.8 | 74.8 | 76.6 | 76.6 | 76.6 | 76.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| IV 9000 | 47.7 | 68.2 | 71.0 | 72.0 | 73.8 | 74.8 | 76.6 | 76.6 | 76.6 | 76.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| IV 8000 | 48.6 | 69.2 | 72.0 | 72.9 | 74.8 | 75.7 | 77.6 | 77.6 | 77.6 | 77.6 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 7000 | 49.5 | 70.1 | 72.9 | 73.8 | 75.7 | 76.6 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 6000 | 49.5 | 70.1 | 72.9 | 73.8 | 75.7 | 76.6 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 5000 | 49.5 | 70.1 | 72.9 | 73.8 | 75.7 | 76.6 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 4500 | 49.5 | 70.1 | 72.9 | 73.8 | 75.7 | 76.6 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 4000 | 49.5 | 70.1 | 72.9 | 73.8 | 75.7 | 76.6 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 3500 | 49.5 | 70.1 | 72.9 | 73.8 | 75.7 | 76.6 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 3000 | 51.4 | 72.0 | 74.8 | 75.7 | 77.6 | 78.5 | 80.4 | 80.4 | 80.4 | 80.4 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| IV 2500 | 51.4 | 73.8 | 76.6 | 77.6 | 79.4 | 80.4 | 82.2 | 82.2 | 82.2 | 82.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 2000 | 56.1 | 78.5 | 81.3 | 82.2 | 85.1 | 86.0 | 87.9 | 87.9 | 87.9 | 87.9 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| IV 1800 | 56.1 | 78.5 | 81.3 | 82.2 | 85.1 | 86.0 | 87.9 | 87.9 | 87.9 | 87.9 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| IV 1500 | 58.9 | 81.3 | 84.1 | 86.0 | 88.8 | 89.7 | 91.6 | 91.6 | 91.6 | 91.6 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| IV 1200 | 59.8 | 83.2 | 86.0 | 87.9 | 90.7 | 91.6 | 93.5 | 93.5 | 93.5 | 93.5 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| IV 1000 | 59.8 | 84.1 | 87.9 | 89.7 | 92.5 | 93.5 | 95.3 | 95.3 | 95.3 | 95.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 900 | 59.8 | 84.1 | 87.9 | 89.7 | 92.5 | 93.5 | 95.3 | 95.3 | 95.3 | 95.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 800 | 60.8 | 85.1 | 88.8 | 90.7 | 93.5 | 94.4 | 96.3 | 96.3 | 96.3 | 96.3 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 700 | 60.8 | 85.1 | 89.7 | 91.6 | 94.4 | 95.3 | 97.2 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 600 | 60.8 | 85.1 | 89.7 | 91.6 | 94.4 | 95.3 | 97.2 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 500 | 60.8 | 85.1 | 89.7 | 91.6 | 94.4 | 95.3 | 97.2 | 97.2 | 97.2 | 97.2 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 400 | 61.7 | 86.0 | 90.7 | 92.5 | 95.3 | 96.3 | 98.1 | 98.1 | 98.1 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 61.7 | 86.0 | 90.7 | 92.5 | 95.3 | 96.3 | 98.1 | 98.1 | 98.1 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 61.7 | 86.0 | 90.7 | 92.5 | 95.3 | 96.3 | 98.1 | 98.1 | 98.1 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 61.7 | 86.0 | 90.7 | 92.5 | 95.3 | 96.3 | 98.1 | 98.1 | 98.1 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 61.7 | 86.0 | 90.7 | 92.5 | 95.3 | 96.3 | 98.1 | 98.1 | 98.1 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 107

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-74
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 20000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 18000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 16000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 14000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 12000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 10000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 9000 | 10.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 8000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 10.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 10

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 46.1 | 57.3 | 58.9 | 59.7 | 60.9 | 61.3 | 62.5 | 63.0 | 63.0 | 63.2 | 63.5 | 63.5 | 63.5 | 63.5 | 63.7 | 63.7 |
| ≥ 20000 | 48.8 | 60.6 | 62.5 | 63.4 | 65.0 | 65.5 | 66.8 | 67.6 | 67.6 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 |
| IV 18000 | 48.8 | 60.6 | 62.5 | 63.4 | 65.0 | 65.5 | 66.8 | 67.6 | 67.6 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 |
| IV 16000 | 48.8 | 60.6 | 62.5 | 63.4 | 65.0 | 65.5 | 66.8 | 67.6 | 67.6 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 |
| IV 14000 | 49.7 | 61.8 | 64.1 | 65.0 | 66.8 | 67.3 | 68.6 | 69.4 | 69.4 | 69.8 | 70.1 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 |
| IV 12000 | 51.5 | 63.5 | 66.1 | 67.1 | 68.9 | 69.4 | 70.7 | 71.4 | 71.4 | 71.9 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 |
| IV 10000 | 52.2 | 64.6 | 67.3 | 68.3 | 70.1 | 70.5 | 71.9 | 72.6 | 72.6 | 73.1 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 |
| IV 9000 | 52.2 | 64.6 | 67.3 | 68.3 | 70.1 | 70.5 | 71.9 | 72.6 | 72.6 | 73.1 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 |
| IV 8000 | 53.9 | 66.5 | 69.4 | 70.4 | 72.2 | 72.6 | 74.0 | 74.7 | 74.7 | 75.2 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 |
| IV 7000 | 54.3 | 67.0 | 69.8 | 70.8 | 72.6 | 73.1 | 74.4 | 75.2 | 75.2 | 75.6 | 76.0 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 |
| IV 6000 | 54.8 | 67.4 | 70.2 | 71.3 | 73.1 | 73.5 | 74.9 | 75.6 | 75.6 | 76.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 |
| IV 5000 | 54.8 | 67.4 | 70.2 | 71.3 | 73.1 | 73.5 | 74.9 | 75.6 | 75.6 | 76.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 |
| IV 4500 | 54.8 | 67.4 | 70.2 | 71.3 | 73.1 | 73.5 | 74.9 | 75.6 | 75.6 | 76.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 |
| IV 4000 | 55.2 | 67.9 | 71.0 | 72.0 | 73.8 | 74.3 | 75.6 | 76.3 | 76.3 | 76.8 | 77.2 | 77.2 | 77.2 | 77.2 | 77.4 | 77.4 |
| IV 3500 | 56.0 | 68.6 | 71.7 | 72.8 | 74.6 | 75.0 | 76.3 | 77.1 | 77.1 | 77.5 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 |
| IV 3000 | 57.6 | 70.2 | 73.4 | 74.4 | 76.3 | 76.8 | 78.1 | 78.9 | 78.9 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 80.1 |
| IV 2500 | 59.8 | 73.1 | 76.2 | 77.2 | 79.3 | 79.8 | 81.1 | 81.9 | 81.9 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.9 | 83.0 |
| IV 2000 | 62.5 | 76.3 | 79.8 | 80.8 | 83.2 | 83.6 | 85.0 | 85.7 | 85.7 | 86.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.8 | 86.9 |
| IV 1800 | 62.5 | 76.3 | 79.8 | 80.8 | 83.2 | 83.6 | 85.0 | 85.7 | 85.7 | 86.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.8 | 86.9 |
| IV 1500 | 65.5 | 79.6 | 83.5 | 84.5 | 87.5 | 88.0 | 89.3 | 90.2 | 90.2 | 90.6 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.4 |
| IV 1200 | 65.8 | 80.4 | 84.2 | 85.4 | 88.2 | 88.7 | 90.2 | 91.2 | 91.2 | 91.7 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.6 |
| IV 1000 | 66.4 | 82.1 | 86.3 | 88.0 | 90.9 | 91.4 | 93.0 | 94.1 | 94.1 | 94.5 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.4 |
| IV 900 | 66.5 | 82.3 | 86.5 | 88.1 | 91.1 | 91.5 | 93.2 | 94.4 | 94.4 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.7 |
| IV 800 | 66.7 | 82.4 | 86.8 | 88.5 | 91.5 | 92.3 | 94.2 | 95.4 | 95.5 | 96.0 | 96.6 | 96.6 | 96.6 | 96.7 | 96.9 | 97.0 |
| IV 700 | 66.7 | 82.4 | 86.9 | 88.7 | 91.7 | 92.4 | 94.4 | 95.5 | 95.7 | 96.1 | 96.7 | 96.7 | 96.7 | 96.9 | 97.0 | 97.2 |
| IV 600 | 66.7 | 82.4 | 86.9 | 88.7 | 91.7 | 92.4 | 94.4 | 95.5 | 95.7 | 96.1 | 96.7 | 96.7 | 96.7 | 96.9 | 97.0 | 97.2 |
| IV 500 | 66.7 | 82.7 | 87.2 | 89.1 | 92.3 | 93.0 | 94.9 | 96.3 | 96.4 | 96.9 | 97.8 | 97.8 | 97.9 | 97.9 | 98.1 | 98.2 |
| IV 400 | 66.8 | 82.9 | 87.4 | 89.3 | 92.4 | 93.2 | 95.2 | 96.6 | 96.7 | 97.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.7 |
| IV 300 | 66.8 | 82.9 | 87.4 | 89.3 | 92.4 | 93.2 | 95.2 | 96.6 | 96.7 | 97.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 | 99.0 |
| IV 200 | 66.8 | 82.9 | 87.4 | 89.3 | 92.4 | 93.2 | 95.2 | 96.6 | 96.7 | 97.5 | 98.5 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 |
| IV 100 | 66.8 | 82.9 | 87.4 | 89.3 | 92.4 | 93.2 | 95.2 | 96.6 | 96.7 | 97.5 | 98.5 | 98.5 | 98.8 | 98.8 | 99.4 | 99.6 |
| IV 0 | 66.8 | 82.9 | 87.4 | 89.3 | 92.4 | 93.2 | 95.2 | 96.6 | 96.7 | 97.5 | 98.7 | 98.7 | 99.0 | 99.0 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 672

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEAI.MET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| IV 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAR
MONTH07
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 28.5 | 37.1 | 39.7 | 40.4 | 41.7 | 42.4 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.0 | 43.0 |
| ≥ 20000 | 29.8 | 39.1 | 41.7 | 42.4 | 43.7 | 44.4 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 47.0 | 47.0 |
| IV 18000 | 29.8 | 39.1 | 41.7 | 42.4 | 43.7 | 44.4 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 47.0 | 47.0 |
| IV 16000 | 29.8 | 39.1 | 41.7 | 42.4 | 43.7 | 44.4 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 47.0 | 47.0 |
| IV 14000 | 29.8 | 39.7 | 42.4 | 43.1 | 44.4 | 45.0 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 47.7 | 47.7 |
| IV 12000 | 30.5 | 40.4 | 43.1 | 43.7 | 45.0 | 45.7 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 48.3 | 48.3 |
| IV 10000 | 30.5 | 40.4 | 43.1 | 43.7 | 45.0 | 45.7 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 48.3 | 48.3 |
| IV 9000 | 30.5 | 40.4 | 43.1 | 43.7 | 45.0 | 45.7 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 48.3 | 48.3 |
| IV 8000 | 33.8 | 43.7 | 46.4 | 47.0 | 48.3 | 49.0 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 51.7 | 51.7 |
| IV 7000 | 33.8 | 43.7 | 46.4 | 47.0 | 48.3 | 49.0 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 51.7 | 51.7 |
| IV 6000 | 33.8 | 43.7 | 46.4 | 47.0 | 48.3 | 49.0 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 51.7 | 51.7 |
| IV 5000 | 35.1 | 45.7 | 48.3 | 49.0 | 50.3 | 51.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 53.6 | 53.6 |
| IV 4500 | 36.4 | 47.0 | 49.7 | 50.3 | 51.7 | 52.3 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 55.0 | 55.0 |
| IV 4000 | 40.4 | 51.0 | 53.6 | 54.3 | 55.6 | 56.3 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 58.9 | 58.9 |
| IV 3500 | 43.7 | 54.3 | 57.0 | 57.6 | 58.9 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 62.3 | 62.3 |
| IV 3000 | 46.4 | 57.6 | 60.3 | 60.9 | 62.3 | 62.9 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 65.6 | 65.6 |
| IV 2500 | 50.3 | 62.3 | 65.6 | 66.2 | 67.6 | 68.2 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 70.9 | 70.9 |
| IV 2000 | 57.6 | 70.9 | 74.2 | 74.8 | 76.2 | 76.8 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 79.5 | 79.5 |
| IV 1800 | 58.9 | 72.9 | 76.2 | 76.8 | 78.2 | 78.8 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 81.5 | 81.5 |
| IV 1500 | 62.3 | 76.8 | 80.1 | 80.8 | 82.1 | 82.8 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 85.4 | 85.4 |
| IV 1200 | 63.6 | 78.8 | 82.1 | 82.8 | 84.1 | 85.4 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 88.1 | 88.1 |
| IV 1000 | 64.2 | 80.1 | 86.1 | 86.8 | 88.1 | 90.1 | 90.7 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 93.4 | 93.4 |
| IV 900 | 64.2 | 80.8 | 87.4 | 88.1 | 89.4 | 91.4 | 92.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 94.7 | 94.7 |
| IV 800 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.1 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 95.4 | 95.4 |
| IV 700 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.1 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 95.4 | 95.4 |
| IV 600 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.1 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 95.4 | 95.4 |
| IV 500 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.1 | 92.7 | 93.4 | 93.4 | 93.4 | 93.4 | 94.0 | 94.0 | 94.0 | 96.0 | 96.0 |
| IV 400 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.7 | 93.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 95.4 | 97.4 | 97.4 |
| IV 300 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.7 | 93.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 95.4 | 97.4 | 97.4 |
| IV 200 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.7 | 93.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 96.0 | 98.0 | 98.0 |
| IV 100 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.7 | 93.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 96.7 | 98.7 | 99.3 |
| IV 0 | 64.2 | 80.8 | 88.1 | 88.7 | 90.1 | 92.7 | 93.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 96.7 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 151

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 41.3 | 50.3 | 52.3 | 53.6 | 54.8 | 54.8 | 55.5 | 55.5 | 55.5 | 55.5 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 20000 | 42.6 | 52.9 | 54.8 | 56.1 | 57.4 | 57.4 | 58.1 | 58.1 | 58.1 | 58.1 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| IV 18000 | 42.6 | 52.9 | 54.8 | 56.1 | 57.4 | 58.1 | 58.7 | 58.7 | 58.7 | 58.7 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| IV 16000 | 42.6 | 52.9 | 54.8 | 56.1 | 57.4 | 58.1 | 58.7 | 58.7 | 58.7 | 58.7 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| IV 14000 | 43.9 | 54.8 | 56.8 | 58.1 | 59.4 | 60.0 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 12000 | 43.9 | 54.8 | 56.8 | 58.1 | 59.4 | 60.0 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 10000 | 43.9 | 54.8 | 56.8 | 58.1 | 59.4 | 60.0 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 9000 | 43.9 | 54.8 | 56.8 | 58.1 | 59.4 | 60.0 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 8000 | 44.5 | 55.5 | 57.4 | 58.7 | 60.0 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 7000 | 44.5 | 55.5 | 57.4 | 58.7 | 60.0 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 6000 | 44.5 | 55.5 | 57.4 | 58.7 | 60.0 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 5000 | 45.8 | 56.8 | 58.7 | 60.0 | 61.3 | 61.9 | 62.6 | 62.6 | 62.6 | 62.6 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 4500 | 47.1 | 58.1 | 60.0 | 61.3 | 62.6 | 63.2 | 63.9 | 63.9 | 63.9 | 63.9 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 4000 | 51.6 | 62.6 | 64.5 | 65.8 | 67.1 | 67.7 | 68.4 | 68.4 | 68.4 | 68.4 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| IV 3500 | 54.8 | 65.8 | 67.7 | 69.0 | 70.3 | 71.0 | 71.6 | 71.6 | 71.6 | 71.6 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 3000 | 59.4 | 70.3 | 72.3 | 73.6 | 74.8 | 75.5 | 76.1 | 76.1 | 76.1 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| IV 2500 | 64.5 | 75.5 | 77.4 | 78.7 | 80.0 | 80.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 2000 | 69.0 | 80.0 | 83.2 | 84.5 | 85.8 | 86.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| IV 1800 | 69.7 | 80.7 | 83.9 | 85.2 | 86.5 | 87.1 | 87.7 | 87.7 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 1500 | 71.0 | 81.9 | 85.8 | 87.1 | 88.4 | 89.0 | 90.3 | 90.3 | 90.3 | 90.3 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| IV 1200 | 72.3 | 83.2 | 87.7 | 89.0 | 90.3 | 91.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| IV 1000 | 72.9 | 83.9 | 89.0 | 91.0 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 900 | 72.9 | 83.9 | 89.0 | 91.0 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 800 | 72.9 | 83.9 | 89.0 | 91.0 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 700 | 72.9 | 83.9 | 89.0 | 91.0 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 600 | 72.9 | 83.9 | 89.0 | 91.0 | 92.9 | 93.6 | 94.8 | 94.8 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 500 | 73.6 | 84.5 | 90.3 | 92.3 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 400 | 73.6 | 84.5 | 90.3 | 92.3 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.4 | 98.7 | 98.7 | 98.7 | 99.4 | 99.4 |
| IV 300 | 73.6 | 84.5 | 90.3 | 92.3 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 100.0 |
| IV 200 | 73.6 | 84.5 | 90.3 | 92.3 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 100.0 |
| IV 100 | 73.6 | 84.5 | 90.3 | 92.3 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 100.0 |
| IV 0 | 73.6 | 84.5 | 90.3 | 92.3 | 94.8 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 51.6 | 58.1 | 58.7 | 60.0 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 20000 | 56.1 | 63.9 | 64.5 | 65.8 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| IV 18000 | 56.1 | 63.9 | 64.5 | 65.8 | 66.5 | 66.5 | 66.5 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 16000 | 56.1 | 63.9 | 64.5 | 65.8 | 66.5 | 66.5 | 66.5 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 14000 | 58.1 | 66.5 | 67.1 | 68.4 | 69.0 | 69.0 | 69.0 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| IV 12000 | 58.7 | 67.1 | 67.7 | 69.0 | 69.7 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 10000 | 59.4 | 67.7 | 68.4 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 9000 | 59.4 | 67.7 | 68.4 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 8000 | 59.4 | 67.7 | 68.4 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 7000 | 59.4 | 67.7 | 68.4 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 6000 | 59.4 | 67.7 | 68.4 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 5000 | 60.0 | 69.0 | 69.7 | 71.0 | 71.6 | 71.6 | 71.6 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 4500 | 60.0 | 69.0 | 69.7 | 71.0 | 71.6 | 71.6 | 71.6 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 4000 | 61.3 | 70.3 | 71.0 | 72.3 | 72.9 | 72.9 | 72.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 3500 | 63.9 | 72.9 | 73.6 | 74.8 | 75.5 | 75.5 | 75.5 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| IV 3000 | 69.7 | 78.7 | 79.4 | 80.7 | 81.3 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 2500 | 72.9 | 82.6 | 83.2 | 84.5 | 85.2 | 85.2 | 85.2 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| IV 2000 | 75.5 | 85.2 | 85.8 | 87.1 | 87.7 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 1800 | 75.5 | 85.2 | 85.8 | 87.1 | 87.7 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 1500 | 77.4 | 87.7 | 88.4 | 89.7 | 90.3 | 90.3 | 90.3 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| IV 1200 | 79.4 | 89.7 | 90.3 | 91.6 | 92.3 | 92.3 | 92.3 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| IV 1000 | 79.4 | 90.3 | 91.6 | 92.9 | 93.6 | 94.2 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 900 | 79.4 | 90.3 | 91.6 | 92.9 | 93.6 | 94.2 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 800 | 79.4 | 90.3 | 91.6 | 92.9 | 93.6 | 94.2 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 700 | 79.4 | 90.3 | 91.6 | 93.6 | 94.8 | 95.5 | 96.1 | 96.8 | 96.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 600 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.1 | 96.8 | 97.4 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 500 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.8 | 97.4 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 400 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.8 | 97.4 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 300 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.8 | 97.4 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.8 | 97.4 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.8 | 97.4 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 79.4 | 90.3 | 92.3 | 94.2 | 95.5 | 96.8 | 97.4 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 51.4 | 57.5 | 57.5 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 20000 | 58.9 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 18000 | 58.9 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 16000 | 58.9 | 65.1 | 65.1 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 14000 | 59.6 | 66.4 | 66.4 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 12000 | 60.3 | 67.1 | 67.1 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| IV 10000 | 62.3 | 69.2 | 69.2 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| IV 9000 | 62.3 | 69.2 | 69.2 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| IV 8000 | 64.4 | 71.9 | 71.9 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| IV 7000 | 64.4 | 71.9 | 71.9 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| IV 6000 | 65.8 | 73.3 | 73.3 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| IV 5000 | 67.1 | 74.7 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| IV 4500 | 67.1 | 74.7 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| IV 4000 | 69.2 | 76.7 | 76.7 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| IV 3500 | 70.6 | 78.1 | 78.1 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| IV 3000 | 76.0 | 83.6 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| IV 2500 | 78.1 | 86.3 | 86.3 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| IV 2000 | 81.5 | 89.7 | 89.7 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| IV 1800 | 84.2 | 93.2 | 93.2 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| IV 1500 | 84.2 | 93.2 | 93.2 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| IV 1200 | 84.9 | 93.8 | 93.8 | 94.5 | 94.5 | 94.5 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| IV 1000 | 84.9 | 95.2 | 95.2 | 95.9 | 95.9 | 95.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 900 | 84.9 | 95.2 | 95.2 | 95.9 | 95.9 | 95.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 800 | 84.9 | 95.2 | 95.9 | 96.6 | 96.6 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 700 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 600 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 500 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 400 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 300 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 |
| IV 200 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 |
| IV 100 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 |
| IV 0 | 84.9 | 95.2 | 95.9 | 96.6 | 97.3 | 97.3 | 98.0 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 146

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 42.2 | 52.9 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 20000 | 45.5 | 56.1 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| IV 18000 | 45.5 | 56.1 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| IV 16000 | 45.5 | 56.1 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| IV 14000 | 46.3 | 57.7 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| IV 12000 | 46.3 | 58.5 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| IV 10000 | 46.3 | 59.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| IV 9000 | 46.3 | 59.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| IV 8000 | 47.2 | 60.2 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| IV 7000 | 47.2 | 60.2 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| IV 6000 | 48.0 | 61.0 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| IV 5000 | 48.8 | 61.8 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| IV 4500 | 49.6 | 62.6 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| IV 4000 | 56.1 | 69.1 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| IV 3500 | 56.9 | 69.9 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| IV 3000 | 60.2 | 74.0 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| IV 2500 | 61.8 | 76.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| IV 2000 | 69.9 | 85.4 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| IV 1800 | 69.9 | 85.4 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| IV 1500 | 72.4 | 88.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| IV 1200 | 72.4 | 89.4 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| IV 1000 | 74.8 | 94.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 900 | 74.8 | 94.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 800 | 74.8 | 95.1 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 700 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 600 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 500 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 400 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 300 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 200 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 74.8 | 95.1 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 123

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-74
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| ≥ 20000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 18000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 16000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 14000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 12000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 10000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 9000 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 8000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| IV 7000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| IV 6000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| IV 5000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| IV 4500 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 4000 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 3500 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 3000 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| IV 2500 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| IV 2000 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 85.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 42.9 | 50.9 | 52.2 | 53.1 | 53.7 | 53.9 | 54.1 | 54.1 | 54.1 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.7 | 54.7 |
| ≥ 20000 | 46.4 | 55.1 | 56.5 | 57.3 | 57.9 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.9 | 58.9 |
| IV 18000 | 46.4 | 55.1 | 56.5 | 57.3 | 57.9 | 58.2 | 58.5 | 58.6 | 58.6 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 59.2 | 59.2 |
| IV 16000 | 46.4 | 55.1 | 56.5 | 57.3 | 57.9 | 58.2 | 58.5 | 58.6 | 58.6 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 59.2 | 59.2 |
| IV 14000 | 47.4 | 56.7 | 58.1 | 58.9 | 59.6 | 59.8 | 60.1 | 60.2 | 60.2 | 60.2 | 60.4 | 60.4 | 60.4 | 60.4 | 60.8 | 60.8 |
| IV 12000 | 47.8 | 57.3 | 58.6 | 59.4 | 60.1 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 61.3 | 61.3 |
| IV 10000 | 48.3 | 57.9 | 59.3 | 60.1 | 60.8 | 61.1 | 61.3 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 62.0 | 62.0 |
| IV 9000 | 48.3 | 57.9 | 59.3 | 60.1 | 60.8 | 61.1 | 61.3 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 62.0 | 62.0 |
| IV 8000 | 49.8 | 59.6 | 60.9 | 61.7 | 62.4 | 62.7 | 63.0 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.6 | 63.6 |
| IV 7000 | 49.8 | 59.6 | 60.9 | 61.7 | 62.4 | 62.7 | 63.0 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.6 | 63.6 |
| IV 6000 | 50.2 | 60.0 | 61.3 | 62.1 | 62.8 | 63.1 | 63.4 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 64.0 | 64.0 |
| IV 5000 | 51.3 | 61.3 | 62.7 | 63.5 | 64.2 | 64.5 | 64.7 | 64.9 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.4 | 65.4 |
| IV 4500 | 52.1 | 62.1 | 63.5 | 64.3 | 65.0 | 65.3 | 65.5 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 66.2 | 66.2 |
| IV 4000 | 55.6 | 65.7 | 67.0 | 67.8 | 68.5 | 68.8 | 69.1 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.7 | 69.7 |
| IV 3500 | 57.9 | 68.0 | 69.3 | 70.2 | 70.8 | 71.1 | 71.4 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 72.1 | 72.1 |
| IV 3000 | 62.4 | 72.7 | 74.1 | 74.9 | 75.6 | 75.9 | 76.1 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.8 | 76.8 |
| IV 2500 | 65.8 | 76.7 | 78.2 | 79.0 | 79.7 | 79.9 | 80.2 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.9 | 80.9 |
| IV 2000 | 70.8 | 82.2 | 84.0 | 84.8 | 85.5 | 85.8 | 86.0 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.7 | 86.7 |
| IV 1800 | 71.2 | 82.8 | 84.5 | 85.4 | 86.0 | 86.3 | 86.6 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 87.3 | 87.3 |
| IV 1500 | 73.5 | 85.6 | 87.5 | 88.3 | 89.0 | 89.3 | 89.7 | 89.8 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.4 | 90.4 |
| IV 1200 | 74.6 | 87.0 | 89.2 | 90.0 | 90.6 | 91.0 | 91.6 | 91.7 | 91.7 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 92.3 | 92.3 |
| IV 1000 | 75.3 | 88.6 | 91.6 | 92.5 | 93.4 | 94.0 | 94.6 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.4 | 95.4 |
| IV 900 | 75.3 | 88.7 | 91.9 | 92.8 | 93.6 | 94.3 | 94.8 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.7 | 95.7 |
| IV 800 | 75.3 | 88.9 | 92.3 | 93.2 | 94.2 | 94.8 | 95.5 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.3 | 96.3 |
| IV 700 | 75.3 | 88.9 | 92.3 | 93.5 | 94.6 | 95.3 | 95.9 | 96.2 | 96.2 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.9 | 96.9 |
| IV 600 | 75.3 | 88.9 | 92.4 | 93.6 | 94.7 | 95.4 | 96.1 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 97.0 | 97.0 |
| IV 500 | 75.4 | 89.0 | 92.7 | 93.9 | 95.1 | 95.9 | 96.6 | 96.9 | 96.9 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.7 | 97.7 |
| IV 400 | 75.4 | 89.0 | 92.7 | 93.9 | 95.1 | 96.1 | 96.7 | 97.2 | 97.2 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 98.4 | 98.4 |
| IV 300 | 75.4 | 89.0 | 92.7 | 93.9 | 95.1 | 96.1 | 96.7 | 97.4 | 97.7 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 99.3 | 99.3 |
| IV 200 | 75.4 | 89.0 | 92.7 | 93.9 | 95.1 | 96.1 | 96.7 | 97.4 | 97.7 | 98.1 | 98.6 | 98.6 | 98.6 | 99.1 | 99.6 | 99.6 |
| IV 100 | 75.4 | 89.0 | 92.7 | 93.9 | 95.1 | 96.1 | 96.7 | 97.4 | 97.7 | 98.1 | 98.6 | 98.6 | 99.2 | 99.2 | 99.7 | 99.7 |
| IV 0 | 75.4 | 89.0 | 92.7 | 93.9 | 95.1 | 96.1 | 96.7 | 97.4 | 97.7 | 98.1 | 98.6 | 98.6 | 99.2 | 99.2 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 737

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 33.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 3

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5103 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 20.4 | 33.3 | 36.1 | 38.1 | 38.1 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| ≥ 20000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 18000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 16000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 14000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 12000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 10000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 9000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 8000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 7000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 6000 | 21.8 | 35.4 | 38.1 | 40.1 | 40.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| IV 5000 | 22.5 | 36.1 | 38.8 | 40.8 | 40.8 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| IV 4500 | 24.5 | 38.8 | 41.5 | 43.5 | 43.5 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 4000 | 25.2 | 39.5 | 42.2 | 44.2 | 44.2 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 3500 | 25.9 | 40.1 | 42.9 | 44.9 | 44.9 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 3000 | 27.2 | 42.9 | 45.6 | 47.6 | 47.6 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| IV 2500 | 36.7 | 52.4 | 55.1 | 57.8 | 57.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| IV 2000 | 43.5 | 61.9 | 64.6 | 67.4 | 67.4 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 1800 | 43.5 | 61.9 | 65.3 | 68.0 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 1500 | 49.7 | 70.8 | 73.5 | 76.2 | 76.2 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| IV 1200 | 51.0 | 73.5 | 76.2 | 78.9 | 78.9 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| IV 1000 | 51.7 | 76.9 | 79.6 | 82.3 | 82.3 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| IV 900 | 51.7 | 76.9 | 83.7 | 86.4 | 86.4 | 87.8 | 87.8 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 800 | 52.4 | 77.6 | 85.0 | 87.8 | 87.8 | 89.1 | 89.1 | 90.5 | 90.5 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| IV 700 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 90.5 | 90.5 | 91.8 | 91.8 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| IV 600 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 93.2 | 93.2 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| IV 500 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 94.6 | 94.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| IV 400 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 94.6 | 94.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.6 | 96.6 |
| IV 300 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 94.6 | 94.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 98.0 | 98.0 |
| IV 200 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 94.6 | 94.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 98.0 | 98.0 |
| IV 100 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 94.6 | 94.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 98.0 | 98.0 |
| IV 0 | 52.4 | 77.6 | 85.7 | 88.4 | 88.4 | 91.8 | 91.8 | 94.6 | 94.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 147

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 40.3 | 54.4 | 57.1 | 58.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 20000 | 40.9 | 55.0 | 58.4 | 59.7 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| IV 18000 | 40.9 | 55.7 | 59.1 | 60.4 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 16000 | 40.9 | 55.7 | 59.1 | 60.4 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 14000 | 40.9 | 55.7 | 59.1 | 60.4 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 12000 | 41.6 | 56.4 | 59.7 | 61.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| IV 10000 | 41.6 | 56.4 | 59.7 | 61.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| IV 9000 | 41.6 | 56.4 | 59.7 | 61.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| IV 8000 | 41.6 | 56.4 | 59.7 | 61.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| IV 7000 | 41.6 | 56.4 | 59.7 | 61.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| IV 6000 | 41.6 | 56.4 | 59.7 | 61.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| IV 5000 | 43.6 | 58.4 | 61.7 | 63.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| IV 4500 | 43.6 | 58.4 | 61.7 | 63.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| IV 4000 | 45.0 | 59.7 | 63.1 | 64.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 3500 | 47.7 | 62.4 | 65.8 | 67.1 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| IV 3000 | 48.3 | 63.1 | 66.4 | 67.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| IV 2500 | 55.7 | 72.5 | 75.8 | 77.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 2000 | 61.1 | 77.9 | 81.2 | 82.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 1800 | 61.1 | 78.5 | 81.9 | 83.2 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 1500 | 64.4 | 83.9 | 88.6 | 90.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 1200 | 64.4 | 85.2 | 89.9 | 92.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 1000 | 65.1 | 86.6 | 91.3 | 93.3 | 94.6 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 900 | 65.1 | 86.6 | 91.3 | 93.3 | 94.6 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 800 | 65.1 | 86.6 | 91.3 | 94.0 | 96.0 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 700 | 65.1 | 86.6 | 91.3 | 94.0 | 96.0 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 600 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 500 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 400 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 300 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.7 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.7 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.7 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 65.1 | 86.6 | 91.3 | 94.0 | 96.6 | 97.3 | 98.7 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 56.4 | 70.5 | 73.2 | 74.5 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| ≥ 20000 | 58.4 | 73.2 | 76.5 | 77.9 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 18000 | 58.4 | 73.2 | 76.5 | 77.9 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 16000 | 58.4 | 73.2 | 76.5 | 77.9 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 14000 | 58.4 | 73.2 | 76.5 | 77.9 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| IV 12000 | 59.1 | 74.5 | 77.9 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 10000 | 59.1 | 74.5 | 77.9 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 9000 | 59.1 | 74.5 | 77.9 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 8000 | 60.4 | 75.8 | 79.2 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 7000 | 60.4 | 75.8 | 79.2 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 6000 | 61.1 | 76.5 | 79.9 | 81.2 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 5000 | 61.7 | 77.2 | 80.5 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 4500 | 62.4 | 77.9 | 81.2 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 4000 | 63.8 | 79.2 | 82.6 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 3500 | 64.4 | 79.9 | 83.2 | 84.6 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 3000 | 65.1 | 80.5 | 83.9 | 85.2 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| IV 2500 | 69.1 | 84.6 | 87.9 | 89.3 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| IV 2000 | 71.1 | 88.6 | 92.0 | 93.3 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 1800 | 71.8 | 89.3 | 92.6 | 94.0 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 1500 | 73.8 | 91.3 | 94.6 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 1200 | 73.8 | 92.0 | 95.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 1000 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 900 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 800 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 700 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 600 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 500 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 400 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 300 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 73.8 | 92.0 | 96.0 | 98.0 | 98.7 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 149

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 61.4 | 70.7 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| IV 20000 | 62.9 | 72.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 18000 | 62.9 | 72.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 16000 | 62.9 | 72.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 14000 | 63.6 | 73.6 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| IV 12000 | 63.6 | 73.6 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| IV 10000 | 64.3 | 74.3 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 9000 | 64.3 | 74.3 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 8000 | 64.3 | 74.3 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 7000 | 65.0 | 75.0 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| IV 6000 | 65.0 | 75.0 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| IV 5000 | 65.7 | 75.7 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| IV 4500 | 65.7 | 75.7 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| IV 4000 | 65.7 | 75.7 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| IV 3500 | 67.1 | 77.1 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 3000 | 67.1 | 77.1 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 2500 | 72.9 | 82.9 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| IV 2000 | 76.4 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 1800 | 76.4 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 1500 | 78.6 | 90.0 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| IV 1200 | 79.3 | 90.7 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| IV 1000 | 80.0 | 94.3 | 95.0 | 95.0 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 900 | 80.7 | 95.0 | 95.7 | 95.7 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 800 | 80.7 | 95.7 | 96.4 | 96.4 | 96.4 | 97.1 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 700 | 80.7 | 95.7 | 96.4 | 96.4 | 96.4 | 97.1 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 600 | 80.7 | 95.7 | 96.4 | 96.4 | 96.4 | 97.1 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 500 | 80.7 | 95.7 | 97.1 | 97.1 | 97.1 | 97.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 400 | 80.7 | 95.7 | 97.9 | 97.9 | 97.9 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 80.7 | 95.7 | 97.9 | 97.9 | 97.9 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 80.7 | 95.7 | 97.9 | 97.9 | 97.9 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 80.7 | 95.7 | 97.9 | 97.9 | 97.9 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 80.7 | 95.7 | 97.9 | 97.9 | 97.9 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 140

DIRNAVOCEANMET SMOS

AD-A067 680

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS). IMPERIA--ETC (1)
JUL 78

F/G 4/2

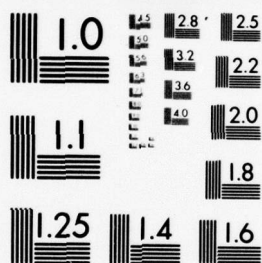
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NL

3 OF 4

AD
A0676 0





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 44.4 | 56.4 | 58.7 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 20000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 18000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 16000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 14000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 12000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 10000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 9000 | 46.0 | 58.7 | 61.1 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 8000 | 47.6 | 60.3 | 62.7 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| IV 7000 | 47.6 | 60.3 | 62.7 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| IV 6000 | 47.6 | 60.3 | 62.7 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| IV 5000 | 47.6 | 60.3 | 62.7 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| IV 4500 | 47.6 | 60.3 | 62.7 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| IV 4000 | 49.2 | 61.9 | 64.3 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| IV 3500 | 50.8 | 63.5 | 65.9 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 3000 | 52.4 | 65.1 | 67.5 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| IV 2500 | 58.7 | 71.4 | 73.8 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 2000 | 63.5 | 77.0 | 79.4 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| IV 1800 | 64.3 | 78.6 | 81.0 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| IV 1500 | 68.3 | 85.7 | 88.1 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.7 | 89.7 |
| IV 1200 | 69.1 | 86.5 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 90.5 | 90.5 |
| IV 1000 | 69.8 | 90.5 | 92.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.2 | 95.2 |
| IV 900 | 69.8 | 91.3 | 93.7 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 |
| IV 800 | 69.8 | 91.3 | 93.7 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 |
| IV 700 | 69.8 | 92.1 | 94.4 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 |
| IV 600 | 69.8 | 92.1 | 94.4 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 |
| IV 500 | 69.8 | 92.1 | 94.4 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 |
| IV 400 | 69.8 | 92.1 | 94.4 | 97.6 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| IV 300 | 69.8 | 92.1 | 94.4 | 97.6 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| IV 200 | 69.8 | 92.1 | 94.4 | 97.6 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| IV 100 | 69.8 | 92.1 | 94.4 | 97.6 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| IV 0 | 69.8 | 92.1 | 94.4 | 97.6 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 126

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-74
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 20000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 18000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 16000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 14000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 12000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 10000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 9000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 8000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 7000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 6000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 5000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 4500 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 4000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 3500 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 3000 | 25.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 2500 | 30.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| IV 2000 | 35.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| IV 1800 | 35.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| IV 1500 | 35.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 1200 | 40.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| IV 1000 | 40.0 | 90.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 900 | 40.0 | 90.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 800 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 40.0 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STAT. NIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 44.0 | 57.1 | 59.3 | 60.4 | 60.8 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| ≥ 20000 | 45.3 | 59.1 | 61.5 | 62.6 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| IV 18000 | 45.3 | 59.2 | 61.6 | 62.7 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| IV 16000 | 45.3 | 59.2 | 61.6 | 62.7 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| IV 14000 | 45.4 | 59.3 | 61.8 | 62.9 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| IV 12000 | 45.7 | 59.7 | 62.2 | 63.3 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| IV 10000 | 45.9 | 59.9 | 62.3 | 63.4 | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 9000 | 45.9 | 59.9 | 62.3 | 63.4 | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 8000 | 46.4 | 60.4 | 62.9 | 64.0 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 7000 | 46.5 | 60.5 | 63.0 | 64.1 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| IV 6000 | 46.7 | 60.7 | 63.1 | 64.2 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| IV 5000 | 47.5 | 61.5 | 64.0 | 65.0 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| IV 4500 | 48.0 | 62.2 | 64.6 | 65.7 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| IV 4000 | 49.0 | 63.1 | 65.6 | 66.7 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| IV 3500 | 50.3 | 64.5 | 66.9 | 68.0 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| IV 3000 | 51.2 | 65.6 | 68.0 | 69.1 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| IV 2500 | 57.7 | 72.5 | 75.0 | 76.2 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| IV 2000 | 62.5 | 78.4 | 80.8 | 82.0 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 1800 | 62.5 | 78.9 | 81.5 | 82.7 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 1500 | 65.9 | 84.1 | 87.2 | 88.6 | 89.0 | 89.1 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 |
| IV 1200 | 66.5 | 85.6 | 88.8 | 90.3 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.2 | 91.2 |
| IV 1000 | 67.1 | 88.0 | 91.8 | 93.5 | 93.9 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 |
| IV 900 | 67.2 | 88.3 | 92.1 | 93.7 | 94.2 | 94.7 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 |
| IV 800 | 67.4 | 88.7 | 92.7 | 94.4 | 95.2 | 95.8 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 |
| IV 700 | 67.4 | 88.8 | 92.9 | 94.8 | 95.8 | 96.3 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 |
| IV 600 | 67.4 | 88.8 | 92.9 | 94.8 | 96.2 | 96.9 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| IV 500 | 67.4 | 88.8 | 93.1 | 95.0 | 96.3 | 97.3 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 |
| IV 400 | 67.4 | 88.8 | 93.2 | 95.2 | 96.6 | 97.6 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 |
| IV 300 | 67.4 | 88.8 | 93.2 | 95.2 | 96.6 | 97.6 | 98.5 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.5 | 99.6 | 99.6 |
| IV 200 | 67.4 | 88.8 | 93.2 | 95.2 | 96.6 | 97.6 | 98.5 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.5 | 99.6 | 99.6 |
| IV 100 | 67.4 | 88.8 | 93.2 | 95.2 | 96.6 | 97.6 | 98.5 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 100.0 |
| IV 0 | 67.4 | 88.8 | 93.2 | 95.2 | 96.6 | 97.6 | 98.5 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

735

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 76

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

74
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | |
| IV 20000 | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | |
| IV 1200 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1000 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-74
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| IV 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1800 | | | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1500 | | | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1200 | | | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1000 | | | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 900 | | | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 800 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 5.8 | 11.0 | 12.4 | 13.0 | 13.0 | 13.0 | 13.0 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| ≥ 20000 | 7.1 | 12.3 | 13.6 | 14.3 | 14.3 | 14.3 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| IV 18000 | 7.1 | 12.3 | 13.6 | 14.3 | 14.3 | 14.3 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| IV 16000 | 7.1 | 12.3 | 13.6 | 14.3 | 14.3 | 14.3 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| IV 14000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 12000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 10000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 9000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 8000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 7000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 6000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 5000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 4500 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 4000 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 3500 | 7.8 | 13.0 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| IV 3000 | 10.4 | 15.6 | 16.9 | 17.5 | 17.5 | 17.5 | 17.5 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| IV 2500 | 16.2 | 22.1 | 23.4 | 24.0 | 24.0 | 24.0 | 24.0 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 |
| IV 2000 | 25.3 | 32.5 | 33.8 | 34.4 | 34.4 | 34.4 | 34.4 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| IV 1800 | 27.3 | 35.1 | 36.4 | 37.0 | 37.0 | 37.0 | 37.0 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 1500 | 39.6 | 52.6 | 57.1 | 57.8 | 57.8 | 57.8 | 57.8 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| IV 1200 | 40.3 | 57.1 | 64.3 | 66.2 | 66.2 | 66.2 | 66.2 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| IV 1000 | 43.5 | 63.0 | 72.7 | 75.3 | 75.3 | 76.0 | 77.3 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 900 | 43.5 | 63.0 | 73.4 | 76.0 | 76.6 | 77.3 | 78.6 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 800 | 43.5 | 64.3 | 76.0 | 78.6 | 79.2 | 81.8 | 84.4 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| IV 700 | 43.5 | 64.3 | 76.0 | 78.6 | 79.2 | 83.8 | 87.7 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 600 | 43.5 | 64.3 | 76.0 | 78.6 | 79.2 | 85.1 | 89.6 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| IV 500 | 43.5 | 64.3 | 76.0 | 78.6 | 80.5 | 86.4 | 92.2 | 92.9 | 92.9 | 92.9 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IV 400 | 43.5 | 64.3 | 76.0 | 78.6 | 80.5 | 86.4 | 92.2 | 93.5 | 93.5 | 94.2 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 300 | 43.5 | 64.3 | 76.0 | 78.6 | 81.2 | 87.0 | 92.9 | 94.8 | 94.8 | 95.5 | 96.1 | 96.1 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 200 | 43.5 | 64.3 | 76.0 | 78.6 | 81.2 | 87.0 | 92.9 | 94.8 | 94.8 | 96.1 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 100 | 43.5 | 64.3 | 76.0 | 78.6 | 81.2 | 87.0 | 92.9 | 94.8 | 94.8 | 96.1 | 98.1 | 98.1 | 99.4 | 100.0 | 100.0 | 100.0 |
| IV 0 | 43.5 | 64.3 | 76.0 | 78.6 | 81.2 | 87.0 | 92.9 | 94.8 | 94.8 | 96.1 | 98.1 | 98.1 | 99.4 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

03115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAY
MONTH10
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 23.4 | 34.4 | 40.3 | 40.9 | 41.6 | 41.6 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| ≥ 20000 | 23.4 | 34.4 | 40.3 | 40.9 | 41.6 | 41.6 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 18000 | 23.4 | 34.4 | 40.3 | 40.9 | 41.6 | 41.6 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 16000 | 23.4 | 34.4 | 40.3 | 40.9 | 41.6 | 41.6 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 14000 | 23.4 | 34.4 | 40.3 | 40.9 | 41.6 | 41.6 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 12000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 10000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 9000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 8000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 7000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 6000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 5000 | 24.7 | 35.7 | 41.6 | 42.2 | 42.9 | 42.9 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 4500 | 25.3 | 36.4 | 42.2 | 42.9 | 43.5 | 43.5 | 43.5 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 4000 | 25.3 | 36.4 | 42.2 | 42.9 | 43.5 | 43.5 | 43.5 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 3500 | 27.3 | 38.3 | 44.2 | 44.8 | 45.5 | 45.5 | 45.5 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 3000 | 31.2 | 42.9 | 48.7 | 49.4 | 50.0 | 50.0 | 50.0 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 2500 | 37.0 | 48.7 | 54.6 | 55.2 | 55.8 | 55.8 | 55.8 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 2000 | 41.6 | 53.9 | 59.7 | 60.4 | 61.0 | 61.0 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 1800 | 42.2 | 55.2 | 61.7 | 62.3 | 63.0 | 63.0 | 63.0 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| IV 1500 | 51.3 | 66.9 | 73.4 | 74.7 | 75.3 | 75.3 | 75.3 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| IV 1200 | 53.3 | 69.5 | 77.3 | 78.6 | 79.2 | 79.9 | 79.9 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| IV 1000 | 53.9 | 71.4 | 82.3 | 83.8 | 84.4 | 85.1 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| IV 900 | 53.9 | 71.4 | 82.3 | 83.8 | 84.4 | 85.1 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| IV 800 | 54.6 | 72.1 | 83.8 | 86.4 | 89.6 | 90.9 | 90.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| IV 700 | 54.6 | 72.1 | 83.8 | 86.4 | 90.3 | 91.6 | 91.6 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IV 600 | 54.6 | 72.1 | 84.4 | 87.0 | 90.9 | 92.9 | 92.9 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 500 | 54.6 | 72.1 | 84.4 | 87.0 | 91.6 | 93.5 | 93.5 | 95.5 | 95.5 | 95.5 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 400 | 54.6 | 72.1 | 84.4 | 87.0 | 92.2 | 94.2 | 94.2 | 96.1 | 96.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 300 | 54.6 | 72.1 | 84.4 | 87.0 | 92.2 | 94.2 | 94.8 | 97.4 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 200 | 54.6 | 72.1 | 84.4 | 87.0 | 92.2 | 94.2 | 94.8 | 97.4 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 100 | 54.6 | 72.1 | 84.4 | 87.0 | 92.2 | 94.2 | 94.8 | 97.4 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 0 | 54.6 | 72.1 | 84.4 | 87.0 | 92.2 | 94.2 | 94.8 | 97.4 | 97.4 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S Y)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | |
| NO CEILING | 38.3 | 53.9 | 56.5 | 56.5 | 57.1 | 57.1 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | |
| IV 20000 | 41.6 | 57.1 | 59.7 | 59.7 | 60.4 | 60.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| IV 18000 | 41.6 | 57.1 | 59.7 | 59.7 | 60.4 | 60.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| IV 16000 | 41.6 | 57.1 | 59.7 | 59.7 | 60.4 | 60.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| IV 14000 | 42.2 | 57.8 | 60.4 | 60.4 | 61.0 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | |
| IV 12000 | 42.2 | 57.8 | 60.4 | 60.4 | 61.0 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | |
| IV 10000 | 42.2 | 57.8 | 60.4 | 60.4 | 61.0 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | |
| IV 9000 | 42.2 | 57.8 | 60.4 | 60.4 | 61.0 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | |
| IV 8000 | 42.2 | 57.8 | 60.4 | 60.4 | 61.0 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | |
| IV 7000 | 42.9 | 58.4 | 61.0 | 61.0 | 61.7 | 61.7 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | |
| IV 6000 | 42.9 | 59.1 | 61.7 | 61.7 | 62.3 | 62.3 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | |
| IV 5000 | 42.9 | 59.1 | 61.7 | 61.7 | 62.3 | 62.3 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | |
| IV 4500 | 42.9 | 59.1 | 61.7 | 61.7 | 62.3 | 62.3 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | |
| IV 4000 | 43.5 | 59.7 | 62.3 | 62.3 | 63.0 | 63.0 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | |
| IV 3500 | 44.8 | 61.0 | 63.6 | 63.6 | 64.3 | 64.3 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | |
| IV 3000 | 46.8 | 63.0 | 65.6 | 65.6 | 66.2 | 66.2 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | |
| IV 2500 | 52.0 | 68.2 | 70.8 | 70.8 | 71.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | |
| IV 2000 | 54.6 | 71.4 | 74.0 | 74.0 | 74.7 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | |
| IV 1800 | 54.6 | 71.4 | 74.0 | 74.0 | 74.7 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | |
| IV 1500 | 59.7 | 77.3 | 81.2 | 81.2 | 81.8 | 81.8 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | |
| IV 1200 | 63.6 | 82.9 | 86.4 | 86.4 | 87.0 | 87.0 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | |
| IV 1000 | 63.6 | 83.6 | 90.9 | 91.6 | 92.2 | 92.2 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | |
| IV 900 | 63.6 | 83.6 | 90.9 | 91.6 | 92.2 | 92.2 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | |
| IV 800 | 63.6 | 85.1 | 92.2 | 92.9 | 93.5 | 93.5 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | |
| IV 700 | 63.6 | 85.1 | 92.2 | 93.5 | 94.2 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | |
| IV 600 | 63.6 | 85.1 | 92.2 | 94.2 | 94.8 | 95.5 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| IV 500 | 63.6 | 85.1 | 92.2 | 94.2 | 94.8 | 97.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | |
| IV 400 | 63.6 | 85.1 | 92.2 | 94.2 | 95.5 | 98.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| IV 300 | 63.6 | 85.1 | 92.2 | 94.2 | 95.5 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| IV 200 | 63.6 | 85.1 | 92.2 | 94.2 | 95.5 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| IV 100 | 63.6 | 85.1 | 92.2 | 94.2 | 95.5 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| IV 0 | 63.6 | 85.1 | 92.2 | 94.2 | 95.5 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ⅓ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 30.7 | 40.9 | 41.7 | 42.5 | 43.3 | 43.3 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| ≥ 20000 | 33.1 | 43.3 | 44.1 | 44.9 | 45.7 | 45.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 18000 | 33.1 | 43.3 | 44.1 | 44.9 | 45.7 | 45.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 16000 | 33.1 | 43.3 | 44.1 | 44.9 | 45.7 | 45.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 14000 | 33.1 | 43.3 | 44.1 | 44.9 | 45.7 | 45.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 12000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 10000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 9000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 8000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 7000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 6000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 5000 | 34.7 | 44.9 | 45.7 | 46.5 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 4500 | 35.4 | 45.7 | 46.5 | 47.2 | 48.0 | 48.0 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| IV 4000 | 37.0 | 47.2 | 48.0 | 48.8 | 49.6 | 49.6 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| IV 3500 | 38.6 | 48.8 | 49.6 | 50.4 | 51.2 | 51.2 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| IV 3000 | 43.3 | 53.9 | 54.7 | 55.5 | 56.3 | 56.3 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 2500 | 52.8 | 63.0 | 63.8 | 64.6 | 65.4 | 65.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| IV 2000 | 55.9 | 66.1 | 66.9 | 67.7 | 68.5 | 68.5 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| IV 1800 | 57.5 | 69.3 | 70.1 | 70.9 | 71.7 | 71.7 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| IV 1500 | 64.6 | 78.0 | 79.5 | 80.3 | 81.1 | 81.1 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 1200 | 64.6 | 78.0 | 81.9 | 82.7 | 83.5 | 83.5 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| IV 1000 | 66.1 | 82.7 | 87.4 | 88.2 | 89.0 | 89.0 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| IV 900 | 66.1 | 83.5 | 88.2 | 89.0 | 89.8 | 89.8 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IV 800 | 66.1 | 85.0 | 89.8 | 90.6 | 92.1 | 92.1 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| IV 700 | 66.9 | 85.8 | 90.6 | 91.3 | 92.9 | 92.9 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 600 | 66.9 | 85.8 | 90.6 | 92.1 | 93.7 | 93.7 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| IV 500 | 66.9 | 86.6 | 91.3 | 92.9 | 95.3 | 95.3 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| IV 400 | 66.9 | 86.6 | 91.3 | 93.7 | 96.9 | 96.9 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 300 | 66.9 | 86.6 | 91.3 | 93.7 | 96.9 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 66.9 | 86.6 | 91.3 | 93.7 | 96.9 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 66.9 | 86.6 | 91.3 | 93.7 | 96.9 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 66.9 | 86.6 | 91.3 | 93.7 | 96.9 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 127

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 17.2 | 25.0 | 25.0 | 25.0 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| IV 20000 | 19.0 | 27.6 | 27.6 | 28.5 | 29.3 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| IV 18000 | 19.0 | 27.6 | 27.6 | 28.5 | 29.3 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| IV 16000 | 19.0 | 27.6 | 27.6 | 28.5 | 29.3 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| IV 14000 | 19.0 | 27.6 | 27.6 | 28.5 | 29.3 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| IV 12000 | 19.8 | 28.5 | 28.5 | 29.3 | 30.2 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| IV 10000 | 20.7 | 29.3 | 29.3 | 30.2 | 31.0 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| IV 9000 | 20.7 | 29.3 | 29.3 | 30.2 | 31.0 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| IV 8000 | 21.6 | 30.2 | 30.2 | 31.0 | 31.9 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| IV 7000 | 21.6 | 30.2 | 30.2 | 31.0 | 31.9 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| IV 6000 | 21.6 | 30.2 | 30.2 | 31.0 | 31.9 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| IV 5000 | 21.6 | 30.2 | 30.2 | 31.0 | 31.9 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| IV 4500 | 21.6 | 30.2 | 30.2 | 31.0 | 31.9 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| IV 4000 | 21.6 | 30.2 | 30.2 | 31.0 | 31.9 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| IV 3500 | 22.4 | 31.0 | 31.0 | 31.9 | 32.8 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| IV 3000 | 23.3 | 31.9 | 31.9 | 32.8 | 33.6 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| IV 2500 | 26.7 | 36.2 | 36.2 | 37.1 | 37.9 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| IV 2000 | 35.3 | 46.6 | 46.6 | 47.4 | 48.3 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| IV 1800 | 37.1 | 48.3 | 48.3 | 49.1 | 50.0 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| IV 1500 | 52.6 | 65.5 | 65.5 | 66.4 | 67.2 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| IV 1200 | 57.8 | 72.4 | 73.3 | 74.1 | 75.0 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| IV 1000 | 62.9 | 81.0 | 83.6 | 84.5 | 85.3 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| IV 900 | 63.8 | 81.9 | 84.5 | 85.3 | 86.2 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| IV 800 | 63.8 | 81.9 | 84.5 | 85.3 | 86.2 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| IV 700 | 65.5 | 84.5 | 87.9 | 88.8 | 89.7 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| IV 600 | 65.5 | 85.3 | 89.7 | 90.5 | 91.4 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| IV 500 | 65.5 | 85.3 | 89.7 | 91.4 | 92.3 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 400 | 65.5 | 85.3 | 89.7 | 91.4 | 92.3 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 300 | 65.5 | 85.3 | 89.7 | 91.4 | 92.3 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 200 | 65.5 | 85.3 | 89.7 | 91.4 | 92.3 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 100 | 65.5 | 85.3 | 89.7 | 91.4 | 92.3 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 0 | 65.5 | 85.3 | 89.7 | 91.4 | 92.3 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-74
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| ≥ 20000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 18000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 16000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 14000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 12000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 10000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 9000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 8000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 7000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 6000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 5000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 4500 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 4000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 3500 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 3000 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 2500 | 10.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 2000 | 10.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| IV 1800 | 10.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| IV 1500 | 25.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1200 | 35.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| IV 1000 | 35.0 | 70.0 | 70.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 900 | 35.0 | 70.0 | 70.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 800 | 35.0 | 70.0 | 70.0 | 75.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 700 | 35.0 | 70.0 | 70.0 | 75.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 600 | 40.0 | 75.0 | 75.0 | 80.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 500 | 40.0 | 75.0 | 75.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 40.0 | 75.0 | 75.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 40.0 | 75.0 | 75.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 40.0 | 75.0 | 75.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 40.0 | 75.0 | 75.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 40.0 | 75.0 | 75.0 | 80.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSMAY
MONTHALL
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 22.6 | 32.7 | 34.8 | 35.4 | 35.9 | 35.9 | 36.2 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| ≥ 20000 | 24.3 | 34.4 | 36.6 | 37.2 | 37.7 | 37.9 | 38.1 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| IV 18000 | 24.3 | 34.4 | 36.6 | 37.2 | 37.7 | 37.9 | 38.1 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| IV 16000 | 24.3 | 34.4 | 36.6 | 37.2 | 37.7 | 37.9 | 38.1 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| IV 14000 | 24.6 | 34.7 | 36.9 | 37.5 | 38.0 | 38.1 | 38.4 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| IV 12000 | 25.2 | 35.4 | 37.6 | 38.1 | 38.7 | 38.8 | 39.1 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| IV 10000 | 25.4 | 35.5 | 37.7 | 38.3 | 38.8 | 39.0 | 39.2 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| IV 9000 | 25.4 | 35.5 | 37.7 | 38.3 | 38.8 | 39.0 | 39.2 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| IV 8000 | 25.5 | 35.7 | 37.9 | 38.4 | 39.0 | 39.1 | 39.4 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| IV 7000 | 25.7 | 35.8 | 38.0 | 38.6 | 39.1 | 39.2 | 39.5 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| IV 6000 | 25.7 | 35.9 | 38.1 | 38.7 | 39.2 | 39.4 | 39.6 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| IV 5000 | 25.7 | 35.9 | 38.1 | 38.7 | 39.2 | 39.4 | 39.6 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| IV 4500 | 25.9 | 36.2 | 38.4 | 39.0 | 39.5 | 39.6 | 39.9 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| IV 4000 | 26.3 | 36.6 | 38.8 | 39.4 | 39.9 | 40.1 | 40.3 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| IV 3500 | 27.4 | 37.7 | 39.9 | 40.5 | 41.0 | 41.2 | 41.4 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 3000 | 30.2 | 40.6 | 42.8 | 43.4 | 43.9 | 44.0 | 44.3 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| IV 2500 | 35.9 | 46.6 | 48.8 | 49.4 | 49.9 | 50.1 | 50.3 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| IV 2000 | 41.3 | 53.0 | 55.1 | 55.8 | 56.4 | 56.5 | 56.8 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 1800 | 42.4 | 54.7 | 57.1 | 57.8 | 58.3 | 58.4 | 58.7 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| IV 1500 | 52.1 | 66.9 | 70.4 | 71.2 | 71.7 | 71.9 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| IV 1200 | 54.6 | 71.1 | 75.9 | 77.0 | 77.5 | 77.8 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| IV 1000 | 56.5 | 75.5 | 82.6 | 84.4 | 85.2 | 85.7 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| IV 900 | 56.7 | 75.7 | 83.0 | 84.8 | 85.9 | 86.4 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| IV 800 | 56.8 | 76.8 | 84.5 | 86.3 | 87.9 | 88.9 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| IV 700 | 57.2 | 77.4 | 85.2 | 87.1 | 88.9 | 90.4 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 600 | 57.3 | 77.6 | 85.7 | 87.9 | 90.3 | 92.3 | 93.7 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| IV 500 | 57.3 | 77.8 | 85.9 | 88.2 | 91.4 | 94.1 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| IV 400 | 57.3 | 77.8 | 85.9 | 88.3 | 91.9 | 94.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 98.1 | 98.1 | 98.4 | 98.4 | 98.4 |
| IV 300 | 57.3 | 77.8 | 85.9 | 88.3 | 92.2 | 95.1 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 |
| IV 200 | 57.3 | 77.8 | 85.9 | 88.3 | 92.2 | 95.1 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 |
| IV 100 | 57.3 | 77.8 | 85.9 | 88.3 | 92.2 | 95.1 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 |
| IV 0 | 57.3 | 77.8 | 85.9 | 88.3 | 92.2 | 95.1 | 97.3 | 98.4 | 98.4 | 98.4 | 98.4 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 729

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5/03 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 4.0 | 8.7 | 13.3 | 15.3 | 15.3 | 16.0 | 17.3 | 17.3 | 17.3 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| ≥ 20000 | 4.0 | 8.7 | 13.3 | 15.3 | 15.3 | 16.0 | 17.3 | 17.3 | 17.3 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| IV 18000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 16000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 14000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 12000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 10000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 9000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 8000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 7000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 6000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 5000 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 4500 | 4.7 | 9.3 | 14.0 | 16.0 | 16.0 | 16.7 | 18.0 | 18.0 | 18.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| IV 4000 | 6.0 | 10.7 | 15.3 | 17.3 | 17.3 | 18.0 | 19.3 | 19.3 | 19.3 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| IV 3500 | 6.7 | 12.0 | 16.7 | 18.7 | 18.7 | 19.3 | 20.7 | 20.7 | 20.7 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 |
| IV 3000 | 7.3 | 12.7 | 17.3 | 19.3 | 19.3 | 20.0 | 21.3 | 21.3 | 21.3 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| IV 2500 | 10.0 | 16.0 | 20.7 | 22.7 | 22.7 | 23.3 | 24.7 | 24.7 | 24.7 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 |
| IV 2000 | 13.3 | 20.7 | 25.3 | 27.3 | 27.3 | 28.0 | 29.3 | 29.3 | 29.3 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| IV 1800 | 13.3 | 22.0 | 26.7 | 28.7 | 28.7 | 29.3 | 30.7 | 30.7 | 30.7 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| IV 1500 | 19.3 | 33.3 | 39.3 | 41.3 | 42.0 | 43.3 | 44.7 | 44.7 | 44.7 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| IV 1200 | 20.0 | 38.0 | 45.3 | 48.0 | 49.3 | 50.7 | 52.0 | 52.0 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 1000 | 20.0 | 41.3 | 52.7 | 59.3 | 60.7 | 63.3 | 64.7 | 64.7 | 64.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| IV 900 | 20.0 | 42.7 | 54.0 | 62.0 | 63.3 | 66.0 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 800 | 20.0 | 43.3 | 56.7 | 65.3 | 69.3 | 72.0 | 74.0 | 74.0 | 74.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| IV 700 | 20.0 | 44.0 | 57.3 | 67.3 | 72.7 | 76.0 | 78.7 | 78.7 | 78.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 600 | 20.0 | 44.0 | 58.7 | 69.3 | 75.3 | 79.3 | 82.7 | 82.7 | 82.7 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 500 | 20.0 | 44.0 | 58.7 | 70.0 | 77.3 | 83.3 | 88.0 | 88.0 | 88.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| IV 400 | 20.0 | 44.0 | 58.7 | 70.7 | 78.0 | 84.0 | 89.3 | 89.3 | 89.3 | 91.3 | 91.3 | 91.3 | 92.0 | 92.0 | 92.0 |
| IV 300 | 20.0 | 44.0 | 58.7 | 70.7 | 78.0 | 84.0 | 89.3 | 91.3 | 92.0 | 94.0 | 94.0 | 94.0 | 95.3 | 95.3 | 95.3 |
| IV 200 | 20.0 | 44.0 | 58.7 | 70.7 | 78.0 | 84.0 | 89.3 | 91.3 | 92.0 | 94.7 | 95.3 | 95.3 | 98.0 | 98.0 | 98.0 |
| IV 100 | 20.0 | 44.0 | 58.7 | 70.7 | 78.0 | 84.0 | 89.3 | 91.3 | 92.0 | 94.7 | 96.0 | 96.0 | 99.3 | 99.3 | 99.3 |
| IV 0 | 20.0 | 44.0 | 58.7 | 70.7 | 78.0 | 84.0 | 89.3 | 91.3 | 92.0 | 94.7 | 96.0 | 96.0 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L S Y)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|--|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | |
| NO CEILING | 17.3 | 35.3 | 41.3 | 44.7 | 48.0 | 48.7 | 49.3 | 49.3 | 49.3 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | |
| IV 20000 | 17.3 | 36.0 | 42.7 | 46.0 | 49.3 | 50.7 | 51.3 | 51.3 | 51.3 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | |
| IV 18000 | 17.3 | 36.0 | 42.7 | 46.0 | 49.3 | 50.7 | 51.3 | 51.3 | 51.3 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | |
| IV 16000 | 17.3 | 36.0 | 42.7 | 46.0 | 49.3 | 50.7 | 51.3 | 51.3 | 51.3 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | |
| IV 14000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 12000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 10000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 9000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 8000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 7000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 6000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 5000 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 4500 | 17.3 | 36.7 | 43.3 | 46.7 | 50.0 | 51.3 | 52.0 | 52.0 | 52.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | |
| IV 4000 | 18.7 | 38.0 | 44.7 | 48.0 | 51.3 | 52.7 | 53.3 | 53.3 | 53.3 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | |
| IV 3500 | 18.7 | 38.0 | 44.7 | 48.0 | 51.3 | 52.7 | 53.3 | 53.3 | 53.3 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | |
| IV 3000 | 20.0 | 40.0 | 46.7 | 50.0 | 53.3 | 54.7 | 55.3 | 55.3 | 55.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | |
| IV 2500 | 22.7 | 43.3 | 50.0 | 53.3 | 56.7 | 58.0 | 58.7 | 58.7 | 58.7 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | |
| IV 2000 | 24.7 | 46.0 | 52.7 | 56.0 | 59.3 | 60.7 | 61.3 | 61.3 | 61.3 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | |
| IV 1800 | 24.7 | 46.7 | 53.3 | 56.7 | 60.0 | 61.3 | 62.0 | 62.0 | 62.0 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | |
| IV 1500 | 28.0 | 53.3 | 62.0 | 67.3 | 70.7 | 72.0 | 72.7 | 72.7 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | |
| IV 1200 | 28.0 | 56.0 | 66.7 | 72.0 | 75.3 | 76.7 | 77.3 | 77.3 | 77.3 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| IV 1000 | 29.3 | 59.3 | 71.3 | 78.0 | 82.7 | 84.7 | 86.0 | 86.0 | 86.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | |
| IV 900 | 29.3 | 59.3 | 72.7 | 79.3 | 84.0 | 86.0 | 87.3 | 87.3 | 87.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | |
| IV 800 | 29.3 | 59.3 | 72.7 | 80.7 | 86.0 | 88.7 | 90.0 | 90.0 | 90.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| IV 700 | 30.0 | 60.0 | 74.0 | 82.0 | 87.3 | 90.0 | 91.3 | 91.3 | 91.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | |
| IV 600 | 30.0 | 60.0 | 74.0 | 82.0 | 88.0 | 91.3 | 92.7 | 92.7 | 92.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | |
| IV 500 | 30.0 | 60.0 | 74.0 | 82.7 | 89.3 | 93.3 | 94.7 | 95.3 | 95.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| IV 400 | 30.0 | 60.0 | 74.0 | 82.7 | 90.0 | 94.0 | 95.3 | 96.0 | 96.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | |
| IV 300 | 30.0 | 60.0 | 74.0 | 82.7 | 90.0 | 94.0 | 95.3 | 96.7 | 96.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | |
| IV 200 | 30.0 | 60.0 | 74.0 | 82.7 | 90.0 | 94.0 | 95.3 | 96.7 | 96.7 | 98.7 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | |
| IV 100 | 30.0 | 60.0 | 74.0 | 82.7 | 90.0 | 94.0 | 95.3 | 96.7 | 96.7 | 98.7 | 98.7 | 98.7 | 100.0 | 100.0 | 100.0 | |
| IV 0 | 30.0 | 60.0 | 74.0 | 82.7 | 90.0 | 94.0 | 95.3 | 96.7 | 96.7 | 98.7 | 98.7 | 98.7 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 30.7 | 54.7 | 58.7 | 63.3 | 64.0 | 64.0 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 20000 | 30.7 | 56.0 | 60.0 | 64.7 | 65.3 | 65.3 | 66.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 18000 | 30.7 | 56.0 | 60.0 | 64.7 | 65.3 | 65.3 | 66.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 16000 | 30.7 | 56.0 | 60.0 | 64.7 | 65.3 | 65.3 | 66.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 14000 | 30.7 | 56.0 | 60.0 | 64.7 | 65.3 | 65.3 | 66.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 12000 | 31.3 | 56.7 | 60.7 | 65.3 | 66.0 | 66.0 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| IV 10000 | 31.3 | 56.7 | 60.7 | 65.3 | 66.0 | 66.0 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| IV 9000 | 31.3 | 56.7 | 60.7 | 65.3 | 66.0 | 66.0 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| IV 8000 | 31.3 | 56.7 | 60.7 | 65.3 | 66.0 | 66.0 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| IV 7000 | 31.3 | 56.7 | 60.7 | 65.3 | 66.0 | 66.0 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| IV 6000 | 31.3 | 56.7 | 60.7 | 65.3 | 66.0 | 66.0 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| IV 5000 | 32.0 | 57.3 | 61.3 | 66.0 | 66.7 | 66.7 | 67.3 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 4500 | 32.0 | 57.3 | 61.3 | 66.7 | 66.7 | 66.7 | 67.3 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 4000 | 32.7 | 58.0 | 62.0 | 66.7 | 67.3 | 67.3 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 3500 | 32.7 | 58.0 | 62.0 | 66.7 | 67.3 | 67.3 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 3000 | 33.3 | 58.7 | 62.7 | 67.3 | 68.0 | 68.0 | 68.7 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| IV 2500 | 34.7 | 60.0 | 64.0 | 68.7 | 69.3 | 69.3 | 70.0 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| IV 2000 | 36.7 | 62.0 | 66.0 | 71.3 | 72.0 | 72.0 | 72.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 1800 | 36.7 | 62.7 | 66.7 | 72.0 | 72.7 | 72.7 | 73.3 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| IV 1500 | 40.0 | 67.3 | 72.7 | 78.0 | 78.7 | 78.7 | 79.3 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 1200 | 40.7 | 68.7 | 75.3 | 80.7 | 81.3 | 81.3 | 82.0 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| IV 1000 | 43.3 | 75.3 | 84.7 | 90.0 | 92.0 | 92.0 | 92.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 900 | 43.3 | 76.0 | 85.3 | 90.7 | 92.7 | 92.7 | 93.3 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 800 | 43.3 | 76.7 | 86.0 | 91.3 | 93.3 | 93.3 | 94.7 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| IV 700 | 43.3 | 76.7 | 86.0 | 91.3 | 93.3 | 94.0 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 600 | 43.3 | 76.7 | 86.7 | 92.0 | 94.0 | 95.3 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 500 | 43.3 | 76.7 | 86.7 | 92.0 | 94.0 | 95.3 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 400 | 43.3 | 76.7 | 86.7 | 92.0 | 94.7 | 96.0 | 98.0 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 300 | 43.3 | 76.7 | 86.7 | 92.0 | 94.7 | 96.0 | 98.0 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 43.3 | 76.7 | 86.7 | 92.0 | 94.7 | 96.0 | 98.0 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 43.3 | 76.7 | 86.7 | 92.0 | 94.7 | 96.0 | 98.0 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 43.3 | 76.7 | 86.7 | 92.0 | 94.7 | 96.0 | 98.0 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 35.2 | 53.1 | 53.5 | 57.8 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| ≥ 20000 | 35.9 | 53.9 | 57.0 | 59.4 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| IV 18000 | 35.9 | 53.9 | 57.0 | 59.4 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| IV 16000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 14000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 12000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 10000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 9000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 8000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 7000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 6000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 5000 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 4500 | 36.7 | 54.7 | 57.8 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| IV 4000 | 37.5 | 55.5 | 58.6 | 60.9 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 3500 | 37.5 | 55.5 | 58.6 | 60.9 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 3000 | 38.3 | 56.3 | 59.4 | 61.7 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| IV 2500 | 39.1 | 57.0 | 60.2 | 62.5 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| IV 2000 | 41.4 | 60.2 | 63.3 | 65.6 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| IV 1800 | 41.4 | 61.7 | 64.8 | 67.2 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 1500 | 44.5 | 66.4 | 70.3 | 72.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| IV 1200 | 46.9 | 68.8 | 73.4 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| IV 1000 | 51.6 | 80.5 | 89.1 | 92.2 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| IV 900 | 51.6 | 80.5 | 89.1 | 92.2 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| IV 800 | 51.6 | 81.3 | 89.8 | 94.5 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| IV 700 | 51.6 | 81.3 | 89.8 | 95.3 | 96.1 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| IV 600 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 500 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 400 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 51.6 | 81.3 | 89.8 | 96.1 | 96.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 128

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 33.1 | 46.6 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 20000 | 33.9 | 50.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| IV 18000 | 33.9 | 50.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| IV 16000 | 33.9 | 50.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| IV 14000 | 33.9 | 50.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| IV 12000 | 33.9 | 50.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| IV 10000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 9000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 8000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 7000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 6000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 5000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 4500 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 4000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 3500 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 3000 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 2500 | 34.8 | 50.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| IV 2000 | 38.1 | 55.1 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| IV 1800 | 39.0 | 55.9 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| IV 1500 | 44.9 | 63.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| IV 1200 | 47.5 | 67.0 | 69.5 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 1000 | 48.3 | 78.0 | 85.6 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| IV 900 | 49.2 | 79.7 | 88.1 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 800 | 49.2 | 82.2 | 91.5 | 93.2 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| IV 700 | 49.2 | 82.2 | 92.4 | 94.1 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 600 | 49.2 | 82.2 | 92.4 | 94.1 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 500 | 49.2 | 82.2 | 92.4 | 94.1 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 400 | 49.2 | 82.2 | 93.2 | 94.9 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 300 | 49.2 | 82.2 | 93.2 | 94.9 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 200 | 49.2 | 82.2 | 93.2 | 94.9 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 97.5 | 97.5 | 97.5 |
| IV 100 | 49.2 | 82.2 | 93.2 | 94.9 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 97.5 | 97.5 | 99.2 |
| IV 0 | 49.2 | 82.2 | 93.2 | 94.9 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 97.5 | 97.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 118

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73.77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 6.1 | 27.0 | 32.4 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| ≥ 20000 | 8.1 | 27.0 | 32.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| IV 18000 | 8.1 | 27.0 | 32.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| IV 16000 | 8.1 | 29.7 | 35.1 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| IV 14000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 12000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 10000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 9000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 8000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 7000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 6000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 5000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 4500 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 4000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 3500 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 3000 | 8.1 | 32.4 | 37.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 2500 | 10.8 | 37.8 | 43.2 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| IV 2000 | 21.6 | 51.4 | 56.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| IV 1800 | 21.6 | 51.4 | 56.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| IV 1500 | 27.0 | 62.2 | 67.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| IV 1200 | 27.0 | 62.2 | 67.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| IV 1000 | 27.0 | 67.6 | 75.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 900 | 27.0 | 67.6 | 75.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 800 | 27.0 | 73.0 | 83.8 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 700 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 27.0 | 75.7 | 86.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 37

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 22.5 | 38.3 | 42.4 | 45.2 | 46.1 | 46.4 | 46.9 | 46.9 | 46.9 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 20000 | 22.8 | 39.4 | 43.8 | 46.7 | 47.6 | 48.0 | 48.6 | 48.7 | 48.7 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| IV 18000 | 22.9 | 39.6 | 43.9 | 46.8 | 47.8 | 48.2 | 48.7 | 48.8 | 48.8 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 16000 | 23.1 | 39.8 | 44.2 | 47.1 | 48.0 | 48.4 | 49.0 | 49.1 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| IV 14000 | 23.1 | 40.1 | 44.5 | 47.3 | 48.3 | 48.7 | 49.3 | 49.4 | 49.4 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| IV 12000 | 23.2 | 40.3 | 44.6 | 47.5 | 48.4 | 48.8 | 49.4 | 49.5 | 49.5 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| IV 10000 | 23.3 | 40.4 | 44.8 | 47.6 | 48.6 | 49.0 | 49.5 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| IV 9000 | 23.3 | 40.4 | 44.8 | 47.6 | 48.6 | 49.0 | 49.5 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| IV 8000 | 23.3 | 40.4 | 44.8 | 47.6 | 48.6 | 49.0 | 49.5 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| IV 7000 | 23.3 | 40.4 | 44.8 | 47.6 | 48.6 | 49.0 | 49.5 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| IV 6000 | 23.3 | 40.4 | 44.8 | 47.6 | 48.6 | 49.0 | 49.5 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| IV 5000 | 23.5 | 40.5 | 44.9 | 47.8 | 48.7 | 49.1 | 49.7 | 49.8 | 49.8 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 4500 | 23.5 | 40.5 | 44.9 | 47.8 | 48.7 | 49.1 | 49.7 | 49.8 | 49.8 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 4000 | 24.3 | 41.3 | 45.7 | 48.6 | 49.5 | 49.9 | 50.5 | 50.6 | 50.6 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 3500 | 24.4 | 41.6 | 46.0 | 48.8 | 49.8 | 50.2 | 50.8 | 50.9 | 50.9 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| IV 3000 | 25.1 | 42.4 | 46.8 | 49.7 | 50.6 | 51.0 | 51.6 | 51.7 | 51.7 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| IV 2500 | 26.7 | 44.5 | 48.8 | 51.7 | 52.7 | 53.1 | 53.6 | 53.8 | 53.8 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| IV 2000 | 29.7 | 48.3 | 52.7 | 55.7 | 56.6 | 57.0 | 57.6 | 57.7 | 57.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| IV 1800 | 29.9 | 49.3 | 53.6 | 56.4 | 57.6 | 58.0 | 58.5 | 58.7 | 58.7 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| IV 1500 | 34.2 | 56.5 | 61.9 | 65.4 | 66.4 | 67.0 | 67.5 | 67.7 | 67.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| IV 1200 | 35.3 | 59.2 | 65.8 | 69.4 | 70.7 | 71.2 | 71.8 | 71.9 | 71.9 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 1000 | 37.1 | 66.0 | 75.9 | 80.8 | 82.5 | 83.5 | 84.2 | 84.3 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| IV 900 | 37.2 | 66.7 | 77.1 | 82.3 | 84.0 | 85.0 | 85.7 | 85.8 | 85.8 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| IV 800 | 37.2 | 67.8 | 78.7 | 84.9 | 87.5 | 88.5 | 89.5 | 89.6 | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| IV 700 | 37.4 | 68.2 | 79.4 | 86.0 | 89.0 | 90.5 | 91.5 | 91.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 600 | 37.4 | 68.2 | 79.8 | 86.6 | 89.9 | 91.8 | 93.0 | 93.2 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 500 | 37.4 | 68.2 | 79.8 | 86.9 | 90.6 | 93.0 | 94.5 | 94.8 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 400 | 37.4 | 68.2 | 80.0 | 87.2 | 91.1 | 93.9 | 95.8 | 96.0 | 96.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 300 | 37.4 | 68.2 | 80.0 | 87.2 | 91.1 | 93.9 | 95.8 | 96.7 | 96.9 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 200 | 37.4 | 68.2 | 80.0 | 87.2 | 91.1 | 93.9 | 95.8 | 96.7 | 96.9 | 98.0 | 98.1 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 100 | 37.4 | 68.2 | 80.0 | 87.2 | 91.1 | 93.9 | 95.8 | 96.7 | 96.9 | 98.0 | 98.2 | 98.2 | 99.5 | 99.5 | 99.7 | 99.7 |
| IV 0 | 37.4 | 68.2 | 80.0 | 87.2 | 91.1 | 93.9 | 95.8 | 96.7 | 96.9 | 98.0 | 98.2 | 98.2 | 99.5 | 99.5 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 733

DIRNAVOCEANMET SMOS

5/03 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 70

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 1.3 | 5.8 | 6.5 | 9.7 | 9.7 | 9.7 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| IV 20000 | 1.3 | 5.8 | 6.5 | 9.7 | 9.7 | 9.7 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| IV 18000 | 1.3 | 5.8 | 6.5 | 9.7 | 9.7 | 9.7 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| IV 16000 | 1.3 | 5.8 | 6.5 | 9.7 | 9.7 | 9.7 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| IV 14000 | 1.3 | 5.8 | 6.5 | 9.7 | 9.7 | 9.7 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| IV 12000 | 1.3 | 5.8 | 6.5 | 9.7 | 9.7 | 9.7 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| IV 10000 | 1.3 | 7.1 | 7.8 | 11.0 | 11.0 | 11.0 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| IV 9000 | 1.3 | 7.1 | 7.8 | 11.0 | 11.0 | 11.0 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| IV 8000 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 7000 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 6000 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 5000 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 4500 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 4000 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 3500 | 1.3 | 7.8 | 8.4 | 11.7 | 11.7 | 11.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| IV 3000 | 1.3 | 7.8 | 9.1 | 12.3 | 12.3 | 12.3 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| IV 2500 | 1.3 | 7.8 | 9.1 | 12.3 | 12.3 | 12.3 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| IV 2000 | 2.0 | 8.4 | 9.7 | 13.0 | 13.0 | 13.0 | 13.6 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| IV 1800 | 2.6 | 9.1 | 10.4 | 13.6 | 13.6 | 13.6 | 14.3 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| IV 1500 | 5.8 | 20.1 | 24.0 | 27.3 | 27.3 | 27.3 | 27.9 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| IV 1200 | 9.7 | 30.5 | 35.7 | 39.0 | 39.0 | 39.0 | 39.6 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| IV 1000 | 11.0 | 42.9 | 52.0 | 56.5 | 60.4 | 61.0 | 61.7 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| IV 900 | 11.7 | 44.2 | 54.6 | 59.7 | 63.6 | 64.3 | 64.9 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| IV 800 | 11.7 | 47.4 | 59.1 | 67.5 | 73.4 | 74.7 | 76.0 | 76.6 | 76.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| IV 700 | 11.7 | 47.4 | 60.4 | 69.5 | 76.6 | 78.6 | 81.2 | 82.5 | 82.5 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| IV 600 | 11.7 | 48.1 | 61.7 | 71.4 | 79.2 | 81.2 | 84.4 | 86.4 | 86.4 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| IV 500 | 11.7 | 48.1 | 61.7 | 72.7 | 80.5 | 83.1 | 87.0 | 90.9 | 90.9 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| IV 400 | 11.7 | 48.1 | 61.7 | 73.4 | 81.2 | 84.4 | 88.3 | 92.9 | 92.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| IV 300 | 11.7 | 48.1 | 61.7 | 73.4 | 81.2 | 84.4 | 88.3 | 93.5 | 94.2 | 96.8 | 97.4 | 97.4 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 200 | 11.7 | 48.1 | 61.7 | 73.4 | 81.2 | 84.4 | 88.3 | 93.5 | 94.2 | 96.8 | 97.4 | 97.4 | 99.4 | 99.4 | 100.0 | 100.0 |
| IV 100 | 11.7 | 48.1 | 61.7 | 73.4 | 81.2 | 84.4 | 88.3 | 93.5 | 94.2 | 96.8 | 97.4 | 97.4 | 99.4 | 99.4 | 100.0 | 100.0 |
| IV 0 | 11.7 | 48.1 | 61.7 | 73.4 | 81.2 | 84.4 | 88.3 | 93.5 | 94.2 | 96.8 | 97.4 | 97.4 | 99.4 | 99.4 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUL
MONTH10
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|--|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | |
| NO CEILING | 11.0 | 37.7 | 47.4 | 50.7 | 52.0 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | |
| IV 20000 | 11.0 | 38.3 | 48.7 | 52.0 | 53.3 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | |
| IV 18000 | 11.0 | 38.3 | 48.7 | 52.0 | 53.3 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | |
| IV 16000 | 11.0 | 38.3 | 48.7 | 52.0 | 53.3 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | |
| IV 14000 | 11.7 | 39.0 | 50.0 | 53.3 | 55.2 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | |
| IV 12000 | 11.7 | 39.6 | 50.7 | 53.9 | 56.5 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | |
| IV 10000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | |
| IV 9000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | |
| IV 8000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 7000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 6000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 5000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 4500 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 4000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 3500 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 3000 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 2500 | 11.7 | 40.9 | 52.0 | 55.2 | 57.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| IV 2000 | 13.0 | 42.2 | 53.3 | 56.5 | 59.1 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | |
| IV 1800 | 13.0 | 42.2 | 53.3 | 56.5 | 59.1 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | |
| IV 1500 | 14.9 | 46.8 | 58.4 | 61.7 | 64.3 | 65.6 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | |
| IV 1200 | 18.8 | 52.6 | 64.3 | 68.2 | 70.8 | 72.1 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | |
| IV 1000 | 20.1 | 57.8 | 71.4 | 76.6 | 81.8 | 83.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | |
| IV 900 | 20.1 | 57.8 | 72.7 | 77.9 | 83.1 | 84.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | |
| IV 800 | 20.1 | 59.1 | 74.0 | 79.2 | 85.1 | 87.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | |
| IV 700 | 20.1 | 59.1 | 74.7 | 81.2 | 87.0 | 89.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | |
| IV 600 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 90.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | |
| IV 500 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 91.6 | 94.2 | 94.8 | 94.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| IV 400 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 92.9 | 95.5 | 96.1 | 96.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | |
| IV 300 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 92.9 | 95.5 | 96.1 | 96.1 | 98.7 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | |
| IV 200 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 92.9 | 95.5 | 96.1 | 96.1 | 99.4 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | |
| IV 100 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 92.9 | 95.5 | 96.1 | 96.1 | 99.4 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | |
| IV 0 | 20.1 | 59.1 | 74.7 | 82.5 | 88.3 | 92.9 | 95.5 | 96.1 | 96.1 | 99.4 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 25.3 | 53.3 | 60.4 | 63.0 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| ≥ 20000 | 26.6 | 55.8 | 63.0 | 65.6 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| IV 18000 | 26.6 | 55.8 | 63.0 | 65.6 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| IV 16000 | 26.6 | 55.8 | 63.0 | 65.6 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| IV 14000 | 27.2 | 57.8 | 65.6 | 68.8 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| IV 12000 | 27.9 | 59.7 | 68.2 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| IV 10000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 9000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 8000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 7000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 6000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 5000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 4500 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 4000 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 3500 | 28.6 | 60.4 | 68.8 | 72.1 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 3000 | 29.2 | 61.0 | 69.5 | 72.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| IV 2500 | 29.2 | 61.0 | 69.5 | 72.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| IV 2000 | 29.9 | 62.3 | 70.8 | 74.0 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| IV 1800 | 30.5 | 63.0 | 71.4 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| IV 1500 | 31.8 | 65.6 | 74.0 | 77.3 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 1200 | 34.4 | 69.5 | 77.9 | 81.2 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| IV 1000 | 35.7 | 74.7 | 83.1 | 87.0 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| IV 900 | 35.7 | 74.7 | 83.8 | 87.7 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 800 | 35.7 | 76.0 | 87.0 | 90.9 | 91.6 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 700 | 35.7 | 77.3 | 89.6 | 93.5 | 94.8 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 600 | 35.7 | 77.9 | 90.9 | 95.5 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 500 | 35.7 | 77.9 | 91.6 | 96.1 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 35.7 | 77.9 | 91.6 | 96.1 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 35.7 | 77.9 | 91.6 | 96.1 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 35.7 | 77.9 | 91.6 | 96.1 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 35.7 | 77.9 | 91.6 | 96.1 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 35.7 | 77.9 | 91.6 | 96.1 | 98.7 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 30.5 | 57.6 | 61.0 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| ≥ 20000 | 32.2 | 60.2 | 64.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| IV 18000 | 32.2 | 60.2 | 64.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| IV 16000 | 32.2 | 60.2 | 64.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| IV 14000 | 33.1 | 62.7 | 67.0 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| IV 12000 | 33.9 | 64.4 | 68.6 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 10000 | 33.9 | 65.3 | 69.5 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| IV 9000 | 33.9 | 65.3 | 69.5 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| IV 8000 | 33.9 | 65.3 | 69.5 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| IV 7000 | 33.9 | 65.3 | 69.5 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| IV 6000 | 33.9 | 65.3 | 69.5 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| IV 5000 | 34.8 | 66.1 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 4500 | 34.8 | 66.1 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 4000 | 34.8 | 66.1 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 3500 | 34.8 | 66.1 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 3000 | 34.8 | 66.1 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 2500 | 34.8 | 66.1 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 2000 | 35.6 | 67.0 | 71.2 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| IV 1800 | 36.4 | 67.8 | 72.0 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 1500 | 39.0 | 71.2 | 75.4 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 1200 | 41.5 | 73.7 | 78.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 1000 | 45.8 | 82.2 | 86.4 | 88.1 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 900 | 46.6 | 83.9 | 88.1 | 89.8 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| IV 800 | 48.3 | 88.1 | 93.2 | 94.9 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 700 | 48.3 | 88.1 | 93.2 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 600 | 49.2 | 89.0 | 94.1 | 96.6 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 500 | 49.2 | 89.8 | 95.8 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 49.2 | 89.8 | 95.8 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 49.2 | 89.8 | 95.8 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 49.2 | 89.8 | 95.8 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 49.2 | 89.8 | 95.8 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 49.2 | 89.8 | 95.8 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 118

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 33.3 | 56.6 | 58.6 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 20000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 18000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 16000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 14000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 12000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 10000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 9000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 8000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 7000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 6000 | 33.3 | 57.7 | 59.5 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| IV 5000 | 33.3 | 58.6 | 60.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 4500 | 33.3 | 58.6 | 60.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 4000 | 33.3 | 58.6 | 60.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 3500 | 33.3 | 58.6 | 60.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 3000 | 33.3 | 58.6 | 60.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 2500 | 33.3 | 58.6 | 60.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| IV 2000 | 34.2 | 59.5 | 61.3 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| IV 1800 | 35.1 | 60.4 | 62.2 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| IV 1500 | 37.8 | 64.0 | 65.8 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 1200 | 39.6 | 67.6 | 69.4 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 1000 | 49.6 | 82.9 | 84.7 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| IV 900 | 50.5 | 84.7 | 87.4 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 800 | 51.4 | 86.5 | 89.2 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| IV 700 | 51.4 | 87.4 | 91.9 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 600 | 51.4 | 88.3 | 92.8 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 500 | 51.4 | 88.3 | 94.6 | 96.4 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 400 | 51.4 | 88.3 | 95.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 51.4 | 88.3 | 95.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 51.4 | 88.3 | 95.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 51.4 | 88.3 | 95.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 51.4 | 88.3 | 95.5 | 97.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73,77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 20000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 18000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 16000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 14000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 12000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 10000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 9000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 8000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 7000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 6000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 5000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 4500 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 4000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 3500 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 3000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 2500 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 2000 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 1800 | 13.2 | 55.3 | 55.3 | 60.5 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 1500 | 15.8 | 57.9 | 57.9 | 63.2 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 1200 | 15.8 | 65.8 | 65.8 | 71.1 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 1000 | 15.8 | 73.7 | 76.3 | 86.8 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| IV 900 | 15.8 | 73.7 | 76.3 | 86.8 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| IV 800 | 15.8 | 73.7 | 76.3 | 86.8 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| IV 700 | 15.8 | 76.3 | 81.6 | 92.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 600 | 15.8 | 76.3 | 81.6 | 92.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 500 | 15.8 | 76.3 | 84.2 | 94.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 400 | 15.8 | 76.3 | 84.2 | 94.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 300 | 15.8 | 76.3 | 84.2 | 94.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 200 | 15.8 | 76.3 | 84.2 | 94.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 100 | 15.8 | 76.3 | 84.2 | 94.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 0 | 15.8 | 76.3 | 84.2 | 94.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |

TOTAL NUMBER OF OBSERVATIONS 38

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 76

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 18.6 | 41.2 | 45.8 | 48.4 | 48.9 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 20000 | 19.2 | 42.5 | 47.3 | 49.9 | 50.4 | 50.6 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 18000 | 19.2 | 42.5 | 47.3 | 49.9 | 50.4 | 50.6 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 16000 | 19.2 | 42.5 | 47.3 | 49.9 | 50.4 | 50.6 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 14000 | 19.6 | 43.4 | 48.5 | 51.2 | 51.9 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| IV 12000 | 19.9 | 44.3 | 49.5 | 52.2 | 53.0 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| IV 10000 | 20.0 | 45.1 | 50.3 | 53.0 | 53.8 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| IV 9000 | 20.0 | 45.1 | 50.3 | 53.0 | 53.8 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| IV 8000 | 20.0 | 45.2 | 50.4 | 53.2 | 54.0 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| IV 7000 | 20.0 | 45.2 | 50.4 | 53.2 | 54.0 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| IV 6000 | 20.0 | 45.2 | 50.4 | 53.2 | 54.0 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| IV 5000 | 20.1 | 45.5 | 50.7 | 53.4 | 54.3 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| IV 4500 | 20.1 | 45.5 | 50.7 | 53.4 | 54.3 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| IV 4000 | 20.1 | 45.5 | 50.7 | 53.4 | 54.3 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| IV 3500 | 20.1 | 45.5 | 50.7 | 53.4 | 54.3 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| IV 3000 | 20.3 | 45.6 | 51.0 | 53.7 | 54.5 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| IV 2500 | 20.3 | 45.6 | 51.0 | 53.7 | 54.5 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| IV 2000 | 21.1 | 46.6 | 51.9 | 54.7 | 55.5 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| IV 1800 | 21.6 | 47.1 | 52.5 | 55.2 | 56.0 | 56.3 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| IV 1500 | 24.0 | 52.2 | 58.2 | 61.0 | 61.8 | 62.1 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| IV 1200 | 26.9 | 58.0 | 64.3 | 67.1 | 68.0 | 68.2 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| IV 1000 | 29.9 | 66.9 | 74.5 | 78.4 | 80.7 | 81.1 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| IV 900 | 30.3 | 67.7 | 76.2 | 80.1 | 82.5 | 82.9 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| IV 800 | 30.7 | 69.9 | 79.2 | 83.8 | 86.7 | 87.5 | 88.1 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 700 | 30.7 | 70.4 | 80.8 | 86.2 | 89.5 | 90.4 | 91.2 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| IV 600 | 30.8 | 71.0 | 81.6 | 87.5 | 91.2 | 92.3 | 93.3 | 93.7 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 500 | 30.8 | 71.1 | 82.5 | 88.8 | 92.9 | 94.3 | 95.8 | 96.7 | 96.7 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 400 | 30.8 | 71.1 | 82.6 | 89.0 | 93.2 | 94.9 | 96.4 | 97.5 | 97.5 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 300 | 30.8 | 71.1 | 82.6 | 89.0 | 93.2 | 94.9 | 96.4 | 97.7 | 97.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 200 | 30.8 | 71.1 | 82.6 | 89.0 | 93.2 | 94.9 | 96.4 | 97.7 | 97.8 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 100 | 30.8 | 71.1 | 82.6 | 89.0 | 93.2 | 94.9 | 96.4 | 97.7 | 97.8 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 0 | 30.8 | 71.1 | 82.6 | 89.0 | 93.2 | 94.9 | 96.4 | 97.7 | 97.8 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 730

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ⅓ | ≥ 5/16 | ≥ ¼ |
| NO CEILING | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | |
| IV 800 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAUG
MONTH07
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 4.5 | 5.2 | 7.7 | 7.7 | 7.7 | 8.4 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 10.3 | 10.3 | 10.3 | 11.0 |
| ≥ 20000 | 4.5 | 5.2 | 7.7 | 7.7 | 7.7 | 8.4 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 10.3 | 10.3 | 10.3 | 11.0 |
| IV 18000 | 4.5 | 5.2 | 7.7 | 7.7 | 7.7 | 8.4 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 10.3 | 10.3 | 10.3 | 11.0 |
| IV 16000 | 4.5 | 5.2 | 7.7 | 7.7 | 7.7 | 8.4 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 10.3 | 10.3 | 10.3 | 11.0 |
| IV 14000 | 4.5 | 5.2 | 7.7 | 7.7 | 8.4 | 9.0 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 11.0 | 11.0 | 11.0 | 11.6 |
| IV 12000 | 4.5 | 5.8 | 8.4 | 8.4 | 9.0 | 9.7 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.6 | 11.6 | 11.6 | 12.3 |
| IV 10000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.9 | 12.9 | 12.9 | 13.6 |
| IV 9000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.9 | 12.9 | 12.9 | 13.6 |
| IV 8000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.9 | 12.9 | 12.9 | 13.6 |
| IV 7000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.9 | 12.9 | 12.9 | 13.6 |
| IV 6000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 13.6 | 13.6 | 13.6 | 14.2 |
| IV 5000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 13.6 | 13.6 | 13.6 | 14.2 |
| IV 4500 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 13.6 | 13.6 | 13.6 | 14.2 |
| IV 4000 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 13.6 | 13.6 | 13.6 | 14.2 |
| IV 3500 | 4.5 | 6.5 | 9.0 | 9.0 | 10.3 | 11.0 | 12.3 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 13.6 | 13.6 | 13.6 | 14.2 |
| IV 3000 | 5.2 | 7.1 | 9.7 | 9.7 | 11.0 | 11.6 | 12.9 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 14.2 | 14.2 | 14.2 | 14.8 |
| IV 2500 | 6.5 | 9.0 | 11.6 | 11.6 | 12.9 | 13.6 | 14.8 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 16.1 | 16.1 | 16.1 | 16.8 |
| IV 2000 | 10.3 | 12.9 | 15.5 | 15.5 | 16.8 | 17.4 | 18.7 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 20.0 | 20.0 | 20.0 | 20.7 |
| IV 1800 | 11.6 | 14.2 | 16.8 | 16.8 | 18.1 | 18.7 | 20.0 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 21.3 | 21.3 | 21.3 | 21.9 |
| IV 1500 | 14.8 | 23.9 | 29.7 | 29.7 | 31.0 | 31.6 | 32.9 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 34.2 | 34.2 | 34.2 | 34.8 |
| IV 1200 | 16.1 | 30.3 | 37.4 | 39.4 | 41.2 | 41.9 | 43.2 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 44.5 | 44.5 | 44.5 | 45.2 |
| IV 1000 | 18.1 | 40.0 | 52.3 | 56.1 | 60.7 | 61.9 | 63.2 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.5 | 64.5 | 64.5 | 65.2 |
| IV 900 | 18.1 | 41.9 | 54.8 | 60.0 | 64.5 | 65.8 | 67.7 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 69.0 | 69.0 | 69.0 | 69.7 |
| IV 800 | 18.1 | 43.2 | 58.7 | 63.9 | 72.3 | 74.8 | 77.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.7 | 78.7 | 78.7 | 79.4 |
| IV 700 | 18.1 | 43.2 | 58.7 | 64.5 | 76.1 | 80.0 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.5 | 84.5 | 84.5 | 85.2 |
| IV 600 | 18.1 | 43.2 | 58.7 | 64.5 | 77.4 | 81.9 | 86.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.7 | 87.7 | 87.7 | 88.4 |
| IV 500 | 18.1 | 43.2 | 59.4 | 65.2 | 78.1 | 82.6 | 87.1 | 88.4 | 88.4 | 89.0 | 89.0 | 89.0 | 90.3 | 90.3 | 90.3 | 91.0 |
| IV 400 | 18.1 | 43.2 | 59.4 | 65.2 | 78.1 | 83.9 | 89.0 | 90.3 | 90.3 | 91.0 | 91.0 | 91.0 | 92.9 | 92.9 | 93.6 | 94.2 |
| IV 300 | 18.1 | 43.2 | 59.4 | 65.2 | 78.1 | 83.9 | 89.0 | 91.0 | 91.0 | 91.6 | 92.3 | 92.3 | 94.2 | 94.2 | 94.8 | 95.5 |
| IV 200 | 18.1 | 43.2 | 59.4 | 65.2 | 78.1 | 83.9 | 89.0 | 91.0 | 91.0 | 91.6 | 92.3 | 92.3 | 96.1 | 96.8 | 98.1 | 98.7 |
| IV 100 | 18.1 | 43.2 | 59.4 | 65.2 | 78.1 | 83.9 | 89.0 | 91.0 | 91.0 | 91.6 | 92.3 | 92.3 | 96.1 | 96.8 | 98.7 | 100.0 |
| IV 0 | 18.1 | 43.2 | 59.4 | 65.2 | 78.1 | 83.9 | 89.0 | 91.0 | 91.0 | 91.6 | 92.3 | 92.3 | 96.1 | 96.8 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 17.4 | 43.9 | 54.8 | 56.1 | 57.4 | 59.4 | 61.3 | 61.3 | 61.3 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 20000 | 18.1 | 44.5 | 55.5 | 56.8 | 58.1 | 60.0 | 61.9 | 61.9 | 61.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 18000 | 18.1 | 44.5 | 55.5 | 56.8 | 58.1 | 60.0 | 61.9 | 61.9 | 61.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 16000 | 18.1 | 44.5 | 55.5 | 56.8 | 58.1 | 60.0 | 61.9 | 61.9 | 61.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 14000 | 18.1 | 44.5 | 55.5 | 56.8 | 58.1 | 60.0 | 62.6 | 62.6 | 62.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| IV 12000 | 18.1 | 45.2 | 56.1 | 58.1 | 60.0 | 62.6 | 64.5 | 64.5 | 64.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 10000 | 18.1 | 45.8 | 56.8 | 58.7 | 61.3 | 63.9 | 65.8 | 65.8 | 65.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 9000 | 18.1 | 45.8 | 56.8 | 58.7 | 61.3 | 63.9 | 65.8 | 65.8 | 65.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 8000 | 18.1 | 45.8 | 56.8 | 58.7 | 61.3 | 63.9 | 65.8 | 65.8 | 65.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 7000 | 18.1 | 45.8 | 56.8 | 58.7 | 61.3 | 63.9 | 65.8 | 65.8 | 65.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 6000 | 18.7 | 46.5 | 57.4 | 59.4 | 61.9 | 64.5 | 66.5 | 66.5 | 66.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| IV 5000 | 18.7 | 46.5 | 57.4 | 59.4 | 61.9 | 64.5 | 66.5 | 66.5 | 66.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| IV 4500 | 18.7 | 46.5 | 57.4 | 59.4 | 61.9 | 64.5 | 66.5 | 66.5 | 66.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| IV 4000 | 18.7 | 46.5 | 57.4 | 59.4 | 61.9 | 64.5 | 66.5 | 66.5 | 66.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| IV 3500 | 18.7 | 46.5 | 57.4 | 59.4 | 61.9 | 64.5 | 66.5 | 66.5 | 66.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| IV 3000 | 19.4 | 47.1 | 58.1 | 60.0 | 62.6 | 65.2 | 67.1 | 67.1 | 67.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| IV 2500 | 21.3 | 49.0 | 60.0 | 61.9 | 64.5 | 67.1 | 69.0 | 69.0 | 69.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 2000 | 21.3 | 49.7 | 61.9 | 63.9 | 66.5 | 69.0 | 71.0 | 71.0 | 71.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 1800 | 21.3 | 49.7 | 61.9 | 63.9 | 66.5 | 69.0 | 71.0 | 71.0 | 71.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 1500 | 23.9 | 52.3 | 66.5 | 70.3 | 72.9 | 75.5 | 77.4 | 77.4 | 77.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| IV 1200 | 23.9 | 52.3 | 67.1 | 72.9 | 75.5 | 78.1 | 80.0 | 80.0 | 80.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| IV 1000 | 23.9 | 53.6 | 69.7 | 76.1 | 80.7 | 83.2 | 85.2 | 85.2 | 85.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| IV 900 | 23.9 | 53.6 | 70.3 | 76.8 | 81.3 | 83.9 | 85.8 | 85.8 | 85.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| IV 800 | 23.9 | 53.6 | 71.6 | 78.1 | 83.9 | 86.4 | 91.0 | 91.0 | 91.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| IV 700 | 23.9 | 53.6 | 71.6 | 78.1 | 84.5 | 89.7 | 92.3 | 92.3 | 92.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| IV 600 | 23.9 | 53.6 | 71.6 | 78.1 | 84.5 | 91.0 | 93.6 | 94.2 | 94.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 500 | 23.9 | 54.2 | 72.9 | 79.4 | 85.8 | 92.3 | 94.8 | 95.5 | 95.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 400 | 23.9 | 54.8 | 73.6 | 80.0 | 86.5 | 92.9 | 95.5 | 96.1 | 96.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 300 | 23.9 | 54.8 | 73.6 | 80.0 | 86.5 | 92.9 | 96.1 | 96.8 | 96.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 200 | 23.9 | 54.8 | 73.6 | 80.0 | 86.5 | 92.9 | 96.1 | 96.8 | 96.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 100 | 23.9 | 54.8 | 73.6 | 80.0 | 86.5 | 92.9 | 96.1 | 96.8 | 96.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 0 | 23.9 | 54.8 | 73.6 | 80.0 | 86.5 | 92.9 | 96.1 | 96.8 | 96.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 76

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 36.8 | 64.5 | 71.6 | 74.8 | 76.1 | 76.1 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| ≥ 20000 | 37.4 | 65.2 | 72.3 | 76.1 | 77.4 | 77.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| IV 18000 | 37.4 | 65.2 | 72.3 | 76.1 | 77.4 | 77.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| IV 16000 | 37.4 | 65.2 | 72.3 | 76.1 | 77.4 | 77.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| IV 14000 | 37.4 | 65.2 | 72.3 | 76.1 | 77.4 | 77.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| IV 12000 | 37.4 | 66.5 | 74.2 | 78.1 | 79.4 | 79.4 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 10000 | 38.7 | 67.7 | 75.9 | 79.4 | 80.7 | 80.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| IV 9000 | 38.7 | 67.7 | 75.9 | 79.4 | 80.7 | 80.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| IV 8000 | 38.7 | 68.4 | 76.1 | 80.0 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 7000 | 38.7 | 68.4 | 76.1 | 80.0 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| IV 6000 | 38.7 | 68.4 | 76.8 | 80.7 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 5000 | 38.7 | 68.4 | 76.8 | 80.7 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 4500 | 38.7 | 68.4 | 76.8 | 80.7 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 4000 | 38.7 | 68.4 | 76.8 | 80.7 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 3500 | 38.7 | 68.4 | 76.8 | 80.7 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 3000 | 39.4 | 69.7 | 78.1 | 81.9 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 2500 | 39.4 | 69.7 | 78.1 | 81.9 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 2000 | 39.4 | 69.7 | 78.1 | 81.9 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 1800 | 39.4 | 69.7 | 78.1 | 81.9 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 1500 | 39.4 | 70.3 | 80.0 | 83.9 | 85.2 | 85.2 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| IV 1200 | 39.4 | 71.0 | 80.7 | 84.5 | 85.8 | 87.1 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| IV 1000 | 39.4 | 74.8 | 86.5 | 90.3 | 92.3 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 900 | 39.4 | 74.8 | 86.5 | 90.3 | 92.3 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| IV 800 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 700 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 600 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 500 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 400 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 300 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 200 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 98.7 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 98.7 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 39.4 | 74.8 | 86.5 | 91.0 | 93.6 | 96.1 | 98.7 | 98.7 | 98.7 | 99.4 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 76

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.1 | 65.4 | 68.4 | 69.9 | 71.4 | 71.4 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 20000 | 45.1 | 66.2 | 69.9 | 71.4 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 18000 | 45.1 | 66.2 | 69.9 | 71.4 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 16000 | 45.1 | 66.2 | 69.9 | 71.4 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 14000 | 45.1 | 67.7 | 71.4 | 72.9 | 74.4 | 74.4 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| IV 12000 | 45.1 | 70.7 | 74.4 | 75.9 | 77.4 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| IV 10000 | 46.6 | 72.2 | 75.9 | 77.4 | 79.0 | 79.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 9000 | 46.6 | 72.2 | 75.9 | 77.4 | 79.0 | 79.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 8000 | 46.6 | 72.2 | 75.9 | 77.4 | 79.0 | 79.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 7000 | 46.6 | 72.2 | 75.9 | 77.4 | 79.0 | 79.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 6000 | 46.6 | 72.2 | 75.9 | 78.2 | 80.5 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 5000 | 46.6 | 72.2 | 75.9 | 78.2 | 80.5 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 4500 | 46.6 | 72.2 | 75.9 | 78.2 | 80.5 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 4000 | 46.6 | 72.2 | 75.9 | 78.2 | 80.5 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 3500 | 47.4 | 72.9 | 76.7 | 79.0 | 81.2 | 81.2 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| IV 3000 | 47.4 | 72.9 | 76.7 | 79.0 | 81.2 | 81.2 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| IV 2500 | 47.4 | 72.9 | 76.7 | 79.0 | 81.2 | 81.2 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| IV 2000 | 48.1 | 73.7 | 77.4 | 79.7 | 82.0 | 82.0 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| IV 1800 | 48.9 | 74.4 | 78.2 | 80.5 | 82.7 | 82.7 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| IV 1500 | 51.1 | 76.7 | 81.2 | 83.5 | 85.7 | 85.7 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| IV 1200 | 52.6 | 79.0 | 83.5 | 86.5 | 89.5 | 89.5 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| IV 1000 | 53.4 | 83.5 | 88.0 | 91.0 | 94.0 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 900 | 53.4 | 83.5 | 88.0 | 91.0 | 94.0 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 800 | 53.4 | 83.5 | 88.7 | 92.5 | 95.5 | 95.5 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 700 | 53.4 | 85.0 | 90.2 | 94.0 | 97.0 | 97.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 600 | 53.4 | 85.0 | 90.2 | 94.7 | 97.7 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 500 | 54.1 | 85.7 | 91.0 | 95.5 | 98.5 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 400 | 54.1 | 85.7 | 91.0 | 95.5 | 98.5 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 300 | 54.1 | 85.7 | 91.0 | 95.5 | 98.5 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 200 | 54.1 | 85.7 | 91.0 | 95.5 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 54.1 | 85.7 | 91.0 | 95.5 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 54.1 | 85.7 | 91.0 | 95.5 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 133

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 34.8 | 62.7 | 67.0 | 67.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 20000 | 34.8 | 64.4 | 68.6 | 69.5 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 18000 | 34.8 | 64.4 | 68.6 | 69.5 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 16000 | 34.8 | 64.4 | 68.6 | 69.5 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 14000 | 34.8 | 65.3 | 69.5 | 70.3 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| IV 12000 | 34.8 | 65.3 | 70.3 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 10000 | 34.8 | 65.3 | 70.3 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 9000 | 34.8 | 65.3 | 70.3 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 8000 | 34.8 | 65.3 | 70.3 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 7000 | 34.8 | 65.3 | 70.3 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| IV 6000 | 34.8 | 66.1 | 71.2 | 72.0 | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 5000 | 34.8 | 66.1 | 71.2 | 72.0 | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 4500 | 34.8 | 66.1 | 71.2 | 72.0 | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 4000 | 34.8 | 66.1 | 71.2 | 72.0 | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 3500 | 34.8 | 66.1 | 71.2 | 72.0 | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 3000 | 34.8 | 66.1 | 71.2 | 72.0 | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 2500 | 35.6 | 67.0 | 72.0 | 72.9 | 73.7 | 73.7 | 73.7 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 2000 | 38.1 | 69.5 | 74.6 | 75.4 | 76.3 | 76.3 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 1800 | 38.1 | 69.5 | 74.6 | 75.4 | 76.3 | 76.3 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 1500 | 39.0 | 71.2 | 76.3 | 77.1 | 78.0 | 78.0 | 78.0 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| IV 1200 | 39.0 | 72.0 | 78.0 | 79.7 | 81.4 | 81.4 | 81.4 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| IV 1000 | 40.7 | 75.8 | 85.6 | 86.1 | 89.8 | 89.8 | 89.8 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| IV 900 | 40.7 | 79.7 | 87.3 | 90.7 | 92.4 | 92.4 | 92.4 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 800 | 40.7 | 82.2 | 89.8 | 93.2 | 95.8 | 95.8 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 700 | 40.7 | 83.1 | 90.7 | 94.1 | 96.6 | 96.6 | 96.6 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 600 | 40.7 | 83.1 | 90.7 | 94.1 | 97.5 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 500 | 40.7 | 83.1 | 90.7 | 94.1 | 97.5 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 400 | 41.5 | 83.9 | 91.5 | 94.9 | 98.3 | 98.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 41.5 | 83.9 | 91.5 | 94.9 | 98.3 | 98.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 41.5 | 83.9 | 91.5 | 94.9 | 98.3 | 98.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 41.5 | 83.9 | 91.5 | 94.9 | 98.3 | 98.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 41.5 | 83.9 | 91.5 | 94.9 | 98.3 | 98.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 118

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73.77
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 20000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 18000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 16000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 14000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 12000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 10000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 9000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 8000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 7000 | 24.2 | 45.5 | 45.5 | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 6000 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 5000 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 4500 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 4000 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 3500 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 3000 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 2500 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 2000 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 1800 | 24.2 | 48.5 | 48.5 | 54.6 | 57.6 | 57.6 | 57.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| IV 1500 | 24.2 | 51.5 | 51.5 | 57.6 | 60.6 | 60.6 | 60.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| IV 1200 | 24.2 | 51.5 | 51.5 | 60.6 | 63.6 | 63.6 | 63.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 1000 | 24.2 | 69.7 | 69.7 | 78.8 | 81.8 | 81.8 | 81.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| IV 900 | 24.2 | 69.7 | 72.7 | 81.8 | 84.9 | 84.9 | 84.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 800 | 24.2 | 69.7 | 75.8 | 84.9 | 87.9 | 87.9 | 87.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| IV 700 | 24.2 | 72.7 | 78.8 | 87.9 | 90.9 | 90.9 | 90.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| IV 600 | 24.2 | 72.7 | 78.8 | 87.9 | 90.9 | 90.9 | 90.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| IV 500 | 24.2 | 75.8 | 81.8 | 90.9 | 93.9 | 93.9 | 93.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| IV 400 | 24.2 | 75.8 | 81.8 | 93.9 | 97.0 | 97.0 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 24.2 | 75.8 | 81.8 | 93.9 | 97.0 | 97.0 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 24.2 | 75.8 | 81.8 | 93.9 | 97.0 | 97.0 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 24.2 | 75.8 | 81.8 | 93.9 | 97.0 | 97.0 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 24.2 | 75.8 | 81.8 | 93.9 | 97.0 | 97.0 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 33

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 26.6 | 46.9 | 52.3 | 53.9 | 55.0 | 55.5 | 56.5 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.9 | 56.9 | 56.9 | 57.0 |
| ≥ 20000 | 26.9 | 47.5 | 53.1 | 54.9 | 55.9 | 56.5 | 57.4 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.9 |
| IV 18000 | 26.9 | 47.5 | 53.1 | 54.9 | 55.9 | 56.5 | 57.4 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.9 |
| IV 16000 | 26.9 | 47.5 | 53.1 | 54.9 | 55.9 | 56.5 | 57.4 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.9 |
| IV 14000 | 26.9 | 47.9 | 53.5 | 55.3 | 56.6 | 57.1 | 58.1 | 58.1 | 58.1 | 58.3 | 58.3 | 58.3 | 58.5 | 58.5 | 58.5 | 58.6 |
| IV 12000 | 26.9 | 49.0 | 54.9 | 56.7 | 58.1 | 58.7 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 60.1 | 60.1 | 60.1 | 60.2 |
| IV 10000 | 27.4 | 49.8 | 55.7 | 57.5 | 59.1 | 59.8 | 60.7 | 60.7 | 60.7 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.3 |
| IV 9000 | 27.4 | 49.8 | 55.7 | 57.5 | 59.1 | 59.8 | 60.7 | 60.7 | 60.7 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.3 |
| IV 8000 | 27.4 | 49.9 | 55.8 | 57.7 | 59.2 | 59.9 | 60.9 | 60.9 | 60.9 | 61.1 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.4 |
| IV 7000 | 27.4 | 49.9 | 55.8 | 57.7 | 59.3 | 59.9 | 60.9 | 60.9 | 60.9 | 61.1 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.4 |
| IV 6000 | 27.6 | 50.3 | 56.3 | 58.3 | 60.1 | 60.7 | 61.7 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.6 |
| IV 5000 | 27.6 | 50.3 | 56.3 | 58.3 | 60.1 | 60.7 | 61.7 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.6 |
| IV 4500 | 27.6 | 50.3 | 56.3 | 58.3 | 60.1 | 60.7 | 61.7 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.6 |
| IV 4000 | 27.6 | 50.3 | 56.3 | 58.3 | 60.1 | 60.7 | 61.7 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.6 |
| IV 3500 | 27.7 | 50.5 | 56.5 | 58.5 | 60.2 | 60.9 | 61.8 | 62.2 | 62.2 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.7 |
| IV 3000 | 28.1 | 51.0 | 57.0 | 59.0 | 60.7 | 61.4 | 62.3 | 62.7 | 62.7 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.3 |
| IV 2500 | 28.9 | 51.9 | 57.9 | 59.9 | 61.7 | 62.3 | 63.3 | 63.7 | 63.7 | 63.9 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.2 |
| IV 2000 | 30.2 | 53.4 | 59.7 | 61.7 | 63.4 | 64.1 | 65.0 | 65.4 | 65.4 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.9 |
| IV 1800 | 30.6 | 53.8 | 60.1 | 62.1 | 63.8 | 64.5 | 65.4 | 65.8 | 65.8 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.3 |
| IV 1500 | 32.4 | 57.3 | 65.0 | 67.4 | 69.1 | 69.8 | 70.7 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.6 |
| IV 1200 | 32.9 | 59.4 | 67.5 | 71.0 | 73.2 | 74.2 | 75.1 | 75.5 | 75.5 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 76.0 |
| IV 1000 | 33.7 | 65.0 | 75.1 | 79.4 | 82.6 | 83.8 | 84.7 | 85.1 | 85.1 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.6 |
| IV 900 | 33.7 | 65.5 | 76.2 | 80.8 | 84.0 | 85.2 | 86.3 | 86.7 | 86.7 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.2 |
| IV 800 | 33.7 | 66.2 | 78.0 | 83.0 | 87.5 | 89.5 | 90.8 | 91.2 | 91.2 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.7 |
| IV 700 | 33.7 | 66.7 | 78.6 | 83.8 | 89.1 | 91.5 | 93.1 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 94.0 |
| IV 600 | 33.7 | 66.7 | 78.6 | 83.9 | 89.6 | 92.4 | 94.3 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 |
| IV 500 | 33.8 | 67.1 | 79.2 | 84.6 | 90.3 | 93.1 | 95.2 | 95.9 | 95.9 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.7 |
| IV 400 | 34.0 | 67.4 | 79.5 | 85.0 | 90.7 | 93.7 | 96.1 | 96.8 | 96.8 | 97.3 | 97.3 | 97.3 | 97.7 | 97.7 | 97.9 | 98.0 |
| IV 300 | 34.0 | 67.4 | 79.5 | 85.0 | 90.7 | 93.7 | 96.3 | 97.1 | 97.1 | 97.6 | 97.7 | 97.7 | 98.3 | 98.3 | 98.4 | 98.5 |
| IV 200 | 34.0 | 67.4 | 79.5 | 85.0 | 90.8 | 93.9 | 96.4 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 99.2 | 99.3 | 99.6 | 99.7 |
| IV 100 | 34.0 | 67.4 | 79.5 | 85.0 | 90.8 | 93.9 | 96.4 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 99.2 | 99.3 | 99.7 | 100.0 |
| IV 0 | 34.0 | 67.4 | 79.5 | 85.0 | 90.8 | 93.9 | 96.4 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 99.2 | 99.3 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 751

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSSEP
MONTH01
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSSEP
MONTH04
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 20000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 18000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 16000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 14000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 12000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 10000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 9000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 8000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 7000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 6000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 5000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 4500 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 4000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 3500 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 3000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2500 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1800 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1500 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1200 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 900 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 800 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 700 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 600 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 500 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 400 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 300 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSSEP
MONTH07
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 6.1 | 12.9 | 19.1 | 21.8 | 22.5 | 23.1 | 24.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| IV 20000 | 6.1 | 12.9 | 19.1 | 21.8 | 22.5 | 23.1 | 24.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| IV 18000 | 6.1 | 12.9 | 19.1 | 21.8 | 22.5 | 23.1 | 24.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| IV 16000 | 6.1 | 12.9 | 19.1 | 21.8 | 22.5 | 23.1 | 24.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| IV 14000 | 6.1 | 12.9 | 19.1 | 21.8 | 22.5 | 23.1 | 24.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| IV 12000 | 6.1 | 12.9 | 19.1 | 21.8 | 22.5 | 23.1 | 24.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| IV 10000 | 6.1 | 14.3 | 20.4 | 23.1 | 23.8 | 24.5 | 25.9 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| IV 9000 | 6.1 | 14.3 | 20.4 | 23.1 | 23.8 | 24.5 | 25.9 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| IV 8000 | 6.1 | 14.3 | 20.4 | 23.1 | 23.8 | 24.5 | 25.9 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| IV 7000 | 6.1 | 14.3 | 20.4 | 23.1 | 23.8 | 24.5 | 25.9 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| IV 6000 | 6.1 | 14.3 | 20.4 | 23.1 | 23.8 | 24.5 | 25.9 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| IV 5000 | 6.1 | 15.0 | 21.1 | 23.8 | 24.5 | 25.2 | 26.5 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| IV 4500 | 6.1 | 15.0 | 21.1 | 23.8 | 24.5 | 25.2 | 26.5 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| IV 4000 | 7.5 | 17.0 | 23.1 | 25.9 | 26.5 | 27.2 | 28.6 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| IV 3500 | 7.5 | 17.0 | 23.1 | 25.9 | 26.5 | 27.2 | 28.6 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| IV 3000 | 8.2 | 17.7 | 23.8 | 26.5 | 27.2 | 27.9 | 29.3 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| IV 2500 | 11.6 | 23.1 | 29.3 | 32.0 | 32.7 | 33.3 | 34.7 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| IV 2000 | 15.7 | 28.6 | 35.4 | 38.1 | 39.5 | 40.1 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 1800 | 15.7 | 28.6 | 35.4 | 38.1 | 39.5 | 40.8 | 41.5 | 42.9 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| IV 1500 | 21.1 | 37.4 | 47.6 | 51.7 | 53.7 | 54.4 | 56.5 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 1200 | 21.1 | 40.8 | 55.1 | 59.9 | 62.6 | 63.3 | 65.3 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| IV 1000 | 21.8 | 45.6 | 63.3 | 69.4 | 72.8 | 73.5 | 76.2 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| IV 900 | 21.8 | 45.6 | 64.0 | 70.1 | 74.2 | 74.8 | 77.6 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| IV 800 | 21.8 | 45.6 | 64.6 | 70.8 | 77.6 | 78.2 | 82.3 | 83.0 | 83.0 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| IV 700 | 21.8 | 45.6 | 65.3 | 72.1 | 79.6 | 80.3 | 85.7 | 86.4 | 86.4 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| IV 600 | 21.8 | 45.6 | 65.3 | 72.8 | 82.3 | 83.7 | 89.1 | 89.8 | 89.8 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| IV 500 | 21.8 | 45.6 | 65.3 | 72.8 | 83.0 | 84.4 | 90.5 | 92.5 | 92.5 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 400 | 21.8 | 45.6 | 65.3 | 72.8 | 83.0 | 84.4 | 91.2 | 93.2 | 93.2 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| IV 300 | 21.8 | 45.6 | 65.3 | 72.8 | 83.0 | 84.4 | 91.8 | 93.9 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 95.2 | 95.2 |
| IV 200 | 21.8 | 45.6 | 65.3 | 72.8 | 83.0 | 84.4 | 91.8 | 93.9 | 93.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.6 | 97.3 | 97.3 |
| IV 100 | 21.8 | 45.6 | 65.3 | 72.8 | 83.0 | 84.4 | 91.8 | 93.9 | 93.9 | 95.9 | 95.9 | 95.9 | 95.9 | 98.0 | 98.6 | 99.3 |
| IV 0 | 21.8 | 45.6 | 65.3 | 72.8 | 83.0 | 84.4 | 92.5 | 94.6 | 94.6 | 96.6 | 96.6 | 96.6 | 96.6 | 98.6 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 147

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 12.9 | 29.3 | 41.5 | 45.6 | 46.9 | 47.6 | 49.7 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| ≥ 20000 | 13.6 | 30.6 | 42.9 | 47.6 | 49.0 | 49.7 | 51.7 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 18000 | 13.6 | 30.6 | 42.9 | 47.6 | 49.0 | 49.7 | 51.7 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 16000 | 13.6 | 30.6 | 42.9 | 47.6 | 49.0 | 49.7 | 51.7 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 14000 | 13.6 | 30.6 | 42.9 | 47.6 | 49.0 | 49.7 | 51.7 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 12000 | 13.6 | 31.3 | 43.5 | 48.3 | 49.7 | 50.3 | 52.4 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| IV 10000 | 13.6 | 32.0 | 44.2 | 49.0 | 50.3 | 51.0 | 53.1 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| IV 9000 | 13.6 | 32.0 | 44.2 | 49.0 | 50.3 | 51.0 | 53.1 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| IV 8000 | 14.3 | 32.7 | 44.9 | 49.7 | 51.0 | 51.7 | 53.7 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| IV 7000 | 14.3 | 32.7 | 44.9 | 49.7 | 51.0 | 51.7 | 53.7 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| IV 6000 | 14.3 | 32.7 | 44.9 | 49.7 | 51.0 | 51.7 | 53.7 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| IV 5000 | 15.7 | 34.0 | 46.3 | 51.0 | 52.4 | 53.1 | 55.1 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| IV 4500 | 15.7 | 34.0 | 46.3 | 51.0 | 52.4 | 53.1 | 55.1 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| IV 4000 | 16.3 | 34.7 | 46.9 | 51.7 | 53.1 | 53.7 | 55.8 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 3500 | 16.3 | 34.7 | 46.9 | 51.7 | 53.1 | 53.7 | 55.8 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 3000 | 19.1 | 38.8 | 51.0 | 55.8 | 57.1 | 57.8 | 59.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| IV 2500 | 21.1 | 41.5 | 54.4 | 59.2 | 60.5 | 61.2 | 63.3 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 2000 | 25.2 | 49.0 | 62.6 | 67.4 | 68.7 | 69.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| IV 1800 | 25.2 | 49.0 | 62.6 | 67.4 | 68.7 | 69.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| IV 1500 | 26.5 | 53.7 | 68.0 | 74.2 | 75.5 | 76.2 | 78.2 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| IV 1200 | 26.5 | 57.1 | 73.5 | 79.6 | 81.6 | 82.3 | 84.4 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| IV 1000 | 27.9 | 59.2 | 75.5 | 83.7 | 86.4 | 87.1 | 89.8 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| IV 900 | 27.9 | 59.2 | 75.5 | 83.7 | 86.4 | 87.1 | 89.8 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| IV 800 | 27.9 | 59.2 | 76.9 | 85.0 | 88.4 | 89.8 | 92.5 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 700 | 27.9 | 59.2 | 78.2 | 86.4 | 90.5 | 91.8 | 94.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| IV 600 | 27.9 | 59.2 | 78.9 | 87.1 | 91.2 | 92.5 | 95.2 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 500 | 27.9 | 59.2 | 79.6 | 87.8 | 91.8 | 93.2 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 400 | 27.9 | 59.2 | 79.6 | 87.8 | 92.5 | 93.9 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 300 | 27.9 | 59.2 | 79.6 | 87.8 | 92.5 | 93.9 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 200 | 27.9 | 59.2 | 79.6 | 87.8 | 92.5 | 93.9 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 100 | 27.9 | 59.2 | 79.6 | 87.8 | 92.5 | 93.9 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 0 | 27.9 | 59.2 | 79.6 | 87.8 | 92.5 | 93.9 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |

TOTAL NUMBER OF OBSERVATIONS 147

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 28.6 | 51.0 | 59.9 | 60.8 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| ≥ 20000 | 29.9 | 53.1 | 62.6 | 63.3 | 64.0 | 64.0 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| IV 18000 | 29.9 | 53.1 | 62.6 | 63.3 | 64.0 | 64.0 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| IV 16000 | 29.9 | 53.1 | 62.6 | 63.3 | 64.0 | 64.0 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| IV 14000 | 29.9 | 53.1 | 62.6 | 63.3 | 64.0 | 64.0 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| IV 12000 | 29.9 | 53.1 | 62.6 | 63.3 | 64.0 | 64.0 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| IV 10000 | 29.9 | 54.4 | 64.0 | 64.6 | 65.3 | 65.3 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| IV 9000 | 29.9 | 54.4 | 64.0 | 64.6 | 65.3 | 65.3 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| IV 8000 | 29.9 | 55.1 | 64.6 | 66.0 | 66.7 | 66.7 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| IV 7000 | 29.9 | 55.1 | 64.6 | 66.0 | 66.7 | 66.7 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| IV 6000 | 29.9 | 55.1 | 64.6 | 66.0 | 66.7 | 66.7 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| IV 5000 | 30.6 | 56.5 | 66.0 | 67.4 | 68.0 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 4500 | 30.6 | 56.5 | 66.0 | 67.4 | 68.0 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 4000 | 30.6 | 56.5 | 66.0 | 67.4 | 68.0 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 3500 | 30.6 | 56.5 | 66.0 | 67.4 | 68.0 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 3000 | 33.3 | 60.5 | 70.1 | 71.4 | 72.1 | 72.1 | 72.8 | 72.8 | 72.8 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| IV 2500 | 34.0 | 61.9 | 71.4 | 72.8 | 73.5 | 73.5 | 74.2 | 74.2 | 74.2 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| IV 2000 | 36.1 | 64.6 | 74.2 | 75.5 | 76.9 | 76.9 | 77.6 | 77.6 | 77.6 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| IV 1800 | 36.1 | 65.3 | 74.8 | 76.2 | 77.6 | 77.6 | 78.2 | 78.2 | 78.2 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| IV 1500 | 37.4 | 69.4 | 79.6 | 81.0 | 82.3 | 82.3 | 83.0 | 83.0 | 83.0 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| IV 1200 | 37.4 | 71.4 | 83.0 | 84.4 | 85.7 | 85.7 | 86.4 | 86.4 | 86.4 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| IV 1000 | 38.1 | 73.5 | 87.1 | 89.1 | 91.2 | 91.2 | 91.8 | 91.8 | 91.8 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| IV 900 | 38.1 | 73.5 | 87.1 | 89.1 | 91.2 | 91.2 | 92.5 | 92.5 | 92.5 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 800 | 38.8 | 74.2 | 89.1 | 91.2 | 93.2 | 93.2 | 94.6 | 95.2 | 95.2 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 700 | 38.8 | 74.2 | 89.1 | 91.2 | 93.2 | 93.2 | 94.6 | 95.2 | 95.2 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 600 | 38.8 | 74.2 | 89.8 | 91.8 | 94.6 | 94.6 | 95.9 | 96.6 | 96.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 500 | 38.8 | 74.2 | 89.8 | 91.8 | 94.6 | 94.6 | 95.9 | 96.6 | 96.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 400 | 38.8 | 74.2 | 89.8 | 91.8 | 94.6 | 94.6 | 95.9 | 96.6 | 96.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 300 | 38.8 | 74.2 | 89.8 | 91.8 | 95.2 | 95.2 | 96.6 | 97.3 | 97.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 200 | 38.8 | 74.2 | 89.8 | 91.8 | 95.2 | 95.2 | 96.6 | 97.3 | 97.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 100 | 38.8 | 74.2 | 89.8 | 92.5 | 95.9 | 95.9 | 97.3 | 98.0 | 98.0 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 |
| IV 0 | 38.8 | 74.2 | 89.8 | 92.5 | 95.9 | 95.9 | 97.3 | 98.0 | 98.0 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 147

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L S T)

0000

5703 CEILING VERSUS VISIBILITY JAN 70

0000

0000

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 32.2 | 53.7 | 60.3 | 61.2 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| ≥ 20000 | 33.1 | 54.6 | 62.0 | 62.8 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 18000 | 33.1 | 54.6 | 62.8 | 63.6 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 |
| IV 16000 | 33.1 | 54.6 | 62.8 | 63.6 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 |
| IV 14000 | 33.1 | 54.6 | 62.8 | 63.6 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 |
| IV 12000 | 33.1 | 56.2 | 64.5 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.9 | 66.9 | 66.9 | 66.9 |
| IV 10000 | 33.9 | 58.7 | 66.9 | 67.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 |
| IV 9000 | 33.9 | 58.7 | 66.9 | 67.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 |
| IV 8000 | 33.9 | 59.5 | 67.8 | 69.4 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 |
| IV 7000 | 33.9 | 59.5 | 67.8 | 69.4 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 |
| IV 6000 | 33.9 | 60.3 | 68.6 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 5000 | 33.9 | 60.3 | 68.6 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 4500 | 33.9 | 60.3 | 68.6 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 4000 | 33.9 | 60.3 | 68.6 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 3500 | 33.9 | 60.3 | 68.6 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 3000 | 36.4 | 62.8 | 71.1 | 72.7 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 74.4 | 74.4 | 74.4 | 74.4 |
| IV 2500 | 37.2 | 64.5 | 72.7 | 74.4 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 76.0 | 76.0 | 76.0 | 76.0 |
| IV 2000 | 40.5 | 68.6 | 76.9 | 78.5 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 80.2 | 80.2 | 80.2 | 80.2 |
| IV 1800 | 40.5 | 69.4 | 77.7 | 79.3 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 81.0 | 81.0 | 81.0 | 81.0 |
| IV 1500 | 43.8 | 74.4 | 83.5 | 85.1 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.8 | 86.8 | 86.8 | 86.8 |
| IV 1200 | 44.6 | 77.7 | 87.6 | 89.3 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.9 | 90.9 | 90.9 | 90.9 |
| IV 1000 | 45.5 | 81.0 | 91.7 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 900 | 45.5 | 81.0 | 91.7 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 800 | 45.5 | 83.5 | 94.2 | 95.9 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 700 | 45.5 | 83.5 | 94.2 | 95.9 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 600 | 45.5 | 83.5 | 94.2 | 95.9 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 500 | 45.5 | 83.5 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 400 | 45.5 | 83.5 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 300 | 45.5 | 83.5 | 95.0 | 96.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| IV 200 | 45.5 | 83.5 | 95.0 | 96.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| IV 100 | 45.5 | 83.5 | 95.0 | 96.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| IV 0 | 45.5 | 83.5 | 95.0 | 96.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 121

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSSEP
MONTH19
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 18.8 | 48.2 | 53.6 | 54.5 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 20000 | 19.6 | 50.0 | 56.3 | 57.1 | 58.0 | 58.0 | 58.0 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 18000 | 19.6 | 50.0 | 56.3 | 57.1 | 58.0 | 58.0 | 58.0 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 16000 | 19.6 | 50.0 | 56.3 | 57.1 | 58.0 | 58.0 | 58.0 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 14000 | 19.6 | 50.0 | 56.3 | 57.1 | 58.0 | 58.0 | 58.0 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 12000 | 19.6 | 52.7 | 58.9 | 59.8 | 60.7 | 60.7 | 60.7 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| IV 10000 | 19.6 | 52.7 | 58.9 | 59.8 | 60.7 | 60.7 | 60.7 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| IV 9000 | 19.6 | 52.7 | 58.9 | 59.8 | 60.7 | 60.7 | 60.7 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| IV 8000 | 19.6 | 52.7 | 59.8 | 60.7 | 61.6 | 61.6 | 61.6 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| IV 7000 | 19.6 | 52.7 | 59.8 | 60.7 | 61.6 | 61.6 | 61.6 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| IV 6000 | 19.6 | 52.7 | 59.8 | 60.7 | 61.6 | 61.6 | 61.6 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| IV 5000 | 19.6 | 53.6 | 60.7 | 61.6 | 62.5 | 62.5 | 62.5 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| IV 4500 | 19.6 | 54.5 | 61.6 | 62.5 | 63.4 | 63.4 | 63.4 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| IV 4000 | 19.6 | 54.5 | 61.6 | 62.5 | 63.4 | 63.4 | 63.4 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| IV 3500 | 19.6 | 54.5 | 61.6 | 62.5 | 63.4 | 63.4 | 63.4 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| IV 3000 | 19.6 | 55.4 | 62.5 | 63.4 | 64.3 | 64.3 | 64.3 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| IV 2500 | 20.5 | 57.1 | 64.3 | 65.2 | 66.1 | 66.1 | 66.1 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| IV 2000 | 24.1 | 62.5 | 69.6 | 70.5 | 71.4 | 71.4 | 71.4 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 1800 | 25.0 | 63.4 | 70.5 | 71.4 | 72.3 | 72.3 | 72.3 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| IV 1500 | 25.9 | 71.4 | 79.5 | 80.4 | 81.3 | 81.3 | 81.3 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| IV 1200 | 26.8 | 78.6 | 86.6 | 87.5 | 88.4 | 88.4 | 88.4 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| IV 1000 | 27.7 | 82.1 | 92.0 | 93.8 | 94.6 | 94.6 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 900 | 27.7 | 82.1 | 92.0 | 94.6 | 95.5 | 95.5 | 95.5 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 800 | 27.7 | 82.1 | 92.9 | 95.5 | 96.4 | 96.4 | 96.4 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 700 | 27.7 | 83.0 | 94.6 | 97.3 | 98.2 | 98.2 | 98.2 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 600 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 27.7 | 83.0 | 94.6 | 97.3 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 112

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73,77
YEARSSEP
MONTH22
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 10.7 | 35.7 | 35.7 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 20000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 18000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 16000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 14000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 12000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 10000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 9000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 8000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 7000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 6000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 5000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 4500 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 4000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 3500 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 3000 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2500 | 10.7 | 39.3 | 42.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2000 | 17.9 | 46.4 | 50.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| IV 1800 | 17.9 | 50.0 | 53.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| IV 1500 | 25.0 | 64.3 | 67.9 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 1200 | 28.6 | 71.4 | 75.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| IV 1000 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 32.1 | 82.1 | 89.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 28

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 19.0 | 37.9 | 45.5 | 47.8 | 48.7 | 48.9 | 49.7 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| ≥ 20000 | 19.7 | 39.2 | 47.4 | 49.8 | 50.6 | 50.9 | 51.8 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 |
| IV 18000 | 19.7 | 39.2 | 47.5 | 49.9 | 50.8 | 51.1 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.5 | 52.5 |
| IV 16000 | 19.7 | 39.2 | 47.5 | 49.9 | 50.8 | 51.1 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.5 | 52.5 |
| IV 14000 | 19.7 | 39.2 | 47.5 | 49.9 | 50.8 | 51.1 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.5 | 52.5 |
| IV 12000 | 19.7 | 40.0 | 48.4 | 50.8 | 51.6 | 51.9 | 52.8 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 |
| IV 10000 | 19.9 | 41.1 | 49.5 | 51.9 | 52.8 | 53.1 | 53.9 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.5 | 54.5 | 54.5 |
| IV 9000 | 19.9 | 41.1 | 49.5 | 51.9 | 52.8 | 53.1 | 53.9 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.5 | 54.5 | 54.5 |
| IV 8000 | 20.0 | 41.6 | 50.1 | 52.8 | 53.6 | 53.9 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 |
| IV 7000 | 20.0 | 41.6 | 50.1 | 52.8 | 53.6 | 53.9 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 |
| IV 6000 | 20.0 | 41.7 | 50.2 | 52.9 | 53.8 | 54.0 | 54.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.5 | 55.5 | 55.5 |
| IV 5000 | 20.4 | 42.6 | 51.1 | 53.8 | 54.6 | 54.9 | 55.7 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 |
| IV 4500 | 20.4 | 42.7 | 51.2 | 53.9 | 54.8 | 55.0 | 55.9 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.5 | 56.5 | 56.5 |
| IV 4000 | 20.9 | 43.3 | 51.8 | 54.5 | 55.3 | 55.6 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 |
| IV 3500 | 20.9 | 43.3 | 51.8 | 54.5 | 55.3 | 55.6 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 |
| IV 3000 | 22.6 | 45.7 | 54.2 | 56.9 | 57.7 | 58.0 | 58.9 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4 | 59.6 | 59.6 | 59.6 |
| IV 2500 | 24.1 | 48.2 | 56.9 | 59.6 | 60.4 | 60.7 | 61.6 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 |
| IV 2000 | 27.7 | 53.3 | 62.3 | 65.0 | 66.1 | 66.4 | 67.2 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 67.9 |
| IV 1800 | 27.8 | 53.9 | 63.1 | 65.8 | 67.0 | 67.2 | 68.1 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 |
| IV 1500 | 30.5 | 60.3 | 70.5 | 73.8 | 75.0 | 75.3 | 76.3 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 |
| IV 1200 | 30.9 | 64.1 | 76.0 | 79.4 | 81.0 | 81.3 | 82.3 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 |
| IV 1000 | 31.9 | 67.5 | 81.1 | 85.7 | 87.7 | 87.9 | 89.2 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 |
| IV 900 | 31.9 | 67.5 | 81.3 | 86.0 | 88.1 | 88.4 | 89.8 | 90.2 | 90.2 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 |
| IV 800 | 32.1 | 68.1 | 82.7 | 87.4 | 90.2 | 90.6 | 92.3 | 92.9 | 92.9 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 |
| IV 700 | 32.1 | 68.2 | 83.4 | 88.2 | 91.5 | 91.9 | 93.9 | 94.5 | 94.5 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 |
| IV 600 | 32.1 | 68.2 | 83.7 | 88.7 | 92.5 | 93.1 | 95.0 | 95.6 | 95.6 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 |
| IV 500 | 32.1 | 68.2 | 84.0 | 88.9 | 92.9 | 93.5 | 95.7 | 96.6 | 96.6 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 |
| IV 400 | 32.1 | 68.2 | 84.0 | 88.9 | 93.1 | 93.6 | 96.0 | 96.9 | 96.9 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 |
| IV 300 | 32.1 | 68.2 | 84.0 | 88.9 | 93.3 | 93.9 | 96.5 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 |
| IV 200 | 32.1 | 68.2 | 84.0 | 88.9 | 93.3 | 93.9 | 96.5 | 97.5 | 97.5 | 98.6 | 98.6 | 98.6 | 99.0 | 99.0 | 99.2 |
| IV 100 | 32.1 | 68.2 | 84.0 | 89.1 | 93.5 | 94.0 | 96.6 | 97.6 | 97.6 | 98.7 | 98.7 | 98.7 | 99.6 | 99.6 | 99.9 |
| IV 0 | 32.1 | 68.2 | 84.0 | 89.1 | 93.5 | 94.0 | 96.7 | 97.7 | 97.7 | 98.9 | 98.9 | 98.9 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 705

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| IV 18000 | | | | | | | | | | | | | | | | |
| IV 16000 | | | | | | | | | | | | | | | | |
| IV 14000 | | | | | | | | | | | | | | | | |
| IV 12000 | | | | | | | | | | | | | | | | |
| IV 10000 | | | | | | | | | | | | | | | | |
| IV 9000 | | | | | | | | | | | | | | | | |
| IV 8000 | | | | | | | | | | | | | | | | |
| IV 7000 | | | | | | | | | | | | | | | | |
| IV 6000 | | | | | | | | | | | | | | | | |
| IV 5000 | | | | | | | | | | | | | | | | |
| IV 4500 | | | | | | | | | | | | | | | | |
| IV 4000 | | | | | | | | | | | | | | | | |
| IV 3500 | | | | | | | | | | | | | | | | |
| IV 3000 | | | | | | | | | | | | | | | | |
| IV 2500 | | | | | | | | | | | | | | | | |
| IV 2000 | | | | | | | | | | | | | | | | |
| IV 1800 | | | | | | | | | | | | | | | | |
| IV 1500 | | | | | | | | | | | | | | | | |
| IV 1200 | | | | | | | | | | | | | | | | |
| IV 1000 | | | | | | | | | | | | | | | | |
| IV 900 | | | | | | | | | | | | | | | | |
| IV 800 | | | | | | | | | | | | | | | | |
| IV 700 | | | | | | | | | | | | | | | | |
| IV 600 | | | | | | | | | | | | | | | | |
| IV 500 | | | | | | | | | | | | | | | | |
| IV 400 | | | | | | | | | | | | | | | | |
| IV 300 | | | | | | | | | | | | | | | | |
| IV 200 | | | | | | | | | | | | | | | | |
| IV 100 | | | | | | | | | | | | | | | | |
| IV 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSOCT
MONTH07
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 13.2 | 25.0 | 27.6 | 31.6 | 32.9 | 32.9 | 34.2 | 34.9 | 34.9 | 36.2 | 36.2 | 36.2 | 37.5 | 37.5 | 37.5 | 38.2 |
| ≥ 20000 | 13.2 | 25.0 | 27.6 | 31.6 | 32.9 | 32.9 | 34.2 | 34.9 | 34.9 | 36.2 | 36.2 | 36.2 | 37.5 | 37.5 | 37.5 | 38.2 |
| IV 18000 | 13.2 | 25.0 | 27.6 | 31.6 | 32.9 | 32.9 | 34.2 | 34.9 | 34.9 | 36.2 | 36.2 | 36.2 | 37.5 | 37.5 | 37.5 | 38.2 |
| IV 16000 | 13.2 | 25.0 | 27.6 | 31.6 | 32.9 | 32.9 | 34.2 | 34.9 | 34.9 | 36.2 | 36.2 | 36.2 | 37.5 | 37.5 | 37.5 | 38.2 |
| IV 14000 | 13.2 | 25.0 | 27.6 | 31.6 | 32.9 | 32.9 | 34.2 | 34.9 | 34.9 | 36.2 | 36.2 | 36.2 | 37.5 | 37.5 | 37.5 | 38.2 |
| IV 12000 | 13.2 | 25.0 | 27.6 | 31.6 | 32.9 | 32.9 | 34.2 | 34.9 | 35.5 | 35.5 | 36.8 | 36.8 | 38.2 | 38.2 | 38.2 | 38.8 |
| IV 10000 | 13.2 | 25.0 | 27.6 | 32.2 | 34.2 | 34.2 | 36.2 | 36.8 | 36.8 | 38.2 | 38.2 | 38.2 | 39.5 | 39.5 | 39.5 | 40.1 |
| IV 9000 | 13.2 | 25.0 | 27.6 | 32.2 | 34.2 | 34.2 | 36.2 | 36.8 | 36.8 | 38.2 | 38.2 | 38.2 | 39.5 | 39.5 | 39.5 | 40.1 |
| IV 8000 | 13.2 | 25.7 | 28.3 | 32.9 | 34.9 | 34.9 | 36.8 | 37.5 | 37.5 | 38.8 | 38.8 | 38.8 | 40.1 | 40.1 | 40.1 | 40.8 |
| IV 7000 | 13.8 | 26.3 | 29.0 | 33.6 | 35.5 | 35.5 | 37.5 | 38.2 | 38.2 | 39.5 | 39.5 | 39.5 | 40.8 | 40.8 | 40.8 | 41.5 |
| IV 6000 | 13.8 | 27.0 | 29.6 | 34.2 | 36.2 | 36.2 | 38.2 | 38.8 | 38.8 | 40.1 | 40.1 | 40.1 | 41.5 | 41.5 | 41.5 | 42.1 |
| IV 5000 | 13.8 | 27.0 | 29.6 | 34.9 | 36.8 | 36.8 | 38.8 | 39.5 | 39.5 | 40.8 | 40.8 | 40.8 | 42.1 | 42.1 | 42.1 | 42.8 |
| IV 4500 | 14.5 | 27.6 | 30.3 | 35.5 | 37.5 | 37.5 | 39.5 | 40.1 | 40.1 | 41.5 | 41.5 | 41.5 | 42.8 | 42.8 | 42.8 | 43.4 |
| IV 4000 | 14.5 | 27.6 | 30.3 | 35.5 | 37.5 | 37.5 | 39.5 | 40.1 | 40.1 | 41.5 | 41.5 | 41.5 | 42.8 | 42.8 | 42.8 | 43.4 |
| IV 3500 | 14.5 | 27.6 | 30.3 | 35.5 | 37.5 | 37.5 | 39.5 | 40.1 | 40.1 | 41.5 | 41.5 | 41.5 | 42.8 | 42.8 | 42.8 | 43.4 |
| IV 3000 | 15.8 | 29.0 | 32.2 | 37.5 | 39.5 | 39.5 | 41.5 | 42.1 | 42.1 | 43.4 | 43.4 | 43.4 | 44.7 | 44.7 | 44.7 | 45.4 |
| IV 2500 | 19.1 | 34.2 | 39.5 | 44.7 | 46.7 | 46.7 | 48.7 | 49.3 | 49.3 | 50.7 | 50.7 | 50.7 | 52.0 | 52.0 | 52.0 | 52.6 |
| IV 2000 | 21.1 | 40.1 | 46.7 | 52.0 | 54.0 | 54.0 | 55.9 | 56.6 | 56.6 | 57.9 | 57.9 | 57.9 | 59.2 | 59.2 | 59.2 | 59.9 |
| IV 1500 | 21.7 | 42.1 | 49.3 | 54.6 | 56.6 | 56.6 | 58.6 | 59.2 | 59.2 | 60.5 | 60.5 | 60.5 | 61.8 | 61.8 | 61.8 | 62.5 |
| IV 1200 | 23.7 | 44.1 | 52.6 | 58.6 | 61.2 | 61.2 | 63.2 | 64.5 | 64.5 | 66.5 | 66.5 | 66.5 | 67.8 | 67.8 | 67.8 | 68.4 |
| IV 1000 | 25.7 | 46.7 | 56.6 | 62.5 | 66.5 | 66.5 | 68.4 | 69.7 | 69.7 | 73.0 | 73.0 | 73.0 | 74.3 | 74.3 | 74.3 | 75.0 |
| IV 900 | 26.3 | 47.4 | 57.9 | 63.8 | 69.7 | 71.1 | 75.0 | 77.0 | 77.0 | 80.9 | 80.9 | 80.9 | 82.2 | 82.2 | 82.2 | 82.9 |
| IV 800 | 27.0 | 48.0 | 58.6 | 65.1 | 72.4 | 73.7 | 77.6 | 79.6 | 79.6 | 83.6 | 83.6 | 83.6 | 84.9 | 84.9 | 84.9 | 85.5 |
| IV 700 | 27.0 | 48.0 | 58.6 | 65.1 | 72.4 | 73.7 | 78.3 | 80.9 | 80.9 | 84.9 | 84.9 | 84.9 | 87.5 | 87.5 | 87.5 | 88.2 |
| IV 600 | 27.0 | 48.0 | 59.2 | 65.8 | 73.7 | 75.0 | 79.6 | 82.2 | 82.2 | 87.5 | 87.5 | 87.5 | 90.8 | 90.8 | 90.8 | 91.5 |
| IV 500 | 27.0 | 48.0 | 59.2 | 65.8 | 73.7 | 75.0 | 79.6 | 82.2 | 82.2 | 87.5 | 88.8 | 88.8 | 92.8 | 92.8 | 92.8 | 93.4 |
| IV 400 | 27.0 | 48.0 | 59.2 | 65.8 | 73.7 | 75.0 | 79.6 | 82.2 | 82.2 | 87.5 | 88.8 | 88.8 | 92.8 | 92.8 | 92.8 | 93.4 |
| IV 300 | 27.0 | 48.0 | 59.2 | 65.8 | 73.7 | 75.0 | 79.6 | 82.9 | 82.9 | 88.2 | 89.5 | 89.5 | 93.4 | 93.4 | 93.4 | 94.1 |
| IV 200 | 27.0 | 48.0 | 59.2 | 65.8 | 73.7 | 75.0 | 79.6 | 82.9 | 82.9 | 88.2 | 89.5 | 89.5 | 94.1 | 94.7 | 94.7 | 95.4 |
| IV 100 | 27.0 | 48.0 | 59.9 | 66.5 | 74.3 | 75.7 | 80.3 | 83.6 | 83.6 | 88.8 | 90.1 | 90.1 | 95.4 | 96.1 | 97.4 | 98.7 |
| IV 0 | 27.0 | 48.0 | 59.9 | 66.5 | 74.3 | 75.7 | 80.3 | 83.6 | 83.6 | 88.8 | 90.1 | 90.1 | 95.4 | 96.1 | 97.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 152

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSUCT
MONTH10
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 23.5 | 36.6 | 47.1 | 50.3 | 56.9 | 58.2 | 63.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 66.0 | 66.0 |
| ≥ 20000 | 23.5 | 37.3 | 48.4 | 51.6 | 58.2 | 59.5 | 64.7 | 66.7 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 |
| IV 18000 | 23.5 | 37.3 | 48.4 | 51.6 | 58.2 | 59.5 | 64.7 | 66.7 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 |
| IV 16000 | 23.5 | 37.3 | 48.4 | 51.6 | 58.2 | 59.5 | 64.7 | 66.7 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 |
| IV 14000 | 23.5 | 37.3 | 48.4 | 51.6 | 58.2 | 59.5 | 64.7 | 66.7 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 |
| IV 12000 | 23.5 | 37.3 | 48.4 | 51.6 | 58.2 | 59.5 | 64.7 | 66.7 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 |
| IV 10000 | 23.5 | 37.9 | 49.0 | 52.3 | 59.5 | 60.8 | 66.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.6 | 68.6 | 68.6 | 69.3 | 69.3 |
| IV 9000 | 23.5 | 37.9 | 49.0 | 52.3 | 59.5 | 60.8 | 66.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.6 | 68.6 | 68.6 | 69.3 | 69.3 |
| IV 8000 | 23.5 | 37.9 | 49.7 | 52.9 | 60.1 | 61.4 | 66.7 | 68.6 | 68.6 | 68.6 | 68.6 | 69.3 | 69.3 | 69.3 | 69.9 | 69.9 |
| IV 7000 | 23.5 | 37.9 | 49.7 | 52.9 | 60.1 | 61.4 | 66.7 | 68.6 | 68.6 | 68.6 | 68.6 | 69.3 | 69.3 | 69.3 | 69.9 | 69.9 |
| IV 6000 | 23.5 | 37.9 | 49.7 | 52.9 | 60.1 | 61.4 | 66.7 | 68.6 | 68.6 | 68.6 | 68.6 | 69.3 | 69.3 | 69.3 | 69.9 | 69.9 |
| IV 5000 | 23.5 | 38.6 | 50.3 | 53.6 | 60.8 | 62.1 | 67.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.9 | 69.9 | 69.9 | 70.6 | 70.6 |
| IV 4500 | 24.8 | 39.9 | 51.6 | 54.9 | 62.1 | 63.4 | 68.6 | 70.6 | 70.6 | 70.6 | 71.2 | 71.2 | 71.2 | 71.2 | 71.9 | 71.9 |
| IV 4000 | 24.8 | 39.9 | 52.3 | 55.6 | 62.8 | 64.1 | 69.3 | 71.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 72.6 | 72.6 |
| IV 3500 | 24.8 | 39.9 | 52.3 | 55.6 | 62.8 | 64.1 | 69.3 | 71.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 72.6 | 72.6 |
| IV 3000 | 27.5 | 42.5 | 54.9 | 58.2 | 65.4 | 66.7 | 71.9 | 73.9 | 73.9 | 73.9 | 74.5 | 74.5 | 74.5 | 74.5 | 75.2 | 75.2 |
| IV 2500 | 28.8 | 45.1 | 57.5 | 60.8 | 68.0 | 69.3 | 74.5 | 76.5 | 76.5 | 76.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.8 | 77.8 |
| IV 2000 | 30.7 | 47.7 | 60.1 | 63.4 | 70.6 | 71.9 | 77.1 | 79.1 | 79.1 | 79.1 | 79.7 | 79.7 | 79.7 | 79.7 | 80.4 | 80.4 |
| IV 1800 | 30.7 | 48.4 | 61.4 | 64.7 | 71.9 | 73.2 | 78.4 | 80.4 | 80.4 | 80.4 | 81.1 | 81.1 | 81.1 | 81.1 | 81.7 | 81.7 |
| IV 1500 | 34.0 | 52.9 | 67.3 | 71.2 | 79.1 | 80.4 | 86.3 | 88.2 | 88.2 | 88.2 | 88.9 | 88.9 | 88.9 | 88.9 | 89.5 | 89.5 |
| IV 1200 | 34.0 | 52.9 | 68.0 | 72.6 | 80.4 | 81.7 | 87.6 | 89.5 | 89.5 | 89.5 | 90.2 | 90.2 | 90.2 | 90.2 | 90.9 | 90.9 |
| IV 1000 | 34.6 | 54.3 | 69.3 | 73.9 | 81.7 | 83.0 | 90.9 | 92.8 | 92.8 | 92.8 | 93.5 | 93.5 | 93.5 | 93.5 | 94.1 | 94.1 |
| IV 900 | 34.6 | 54.3 | 69.3 | 73.9 | 83.0 | 84.3 | 92.2 | 94.8 | 94.8 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 96.1 | 96.1 |
| IV 800 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.0 | 93.5 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 |
| IV 700 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.0 | 93.5 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 |
| IV 600 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.0 | 93.5 | 96.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 |
| IV 500 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.6 | 94.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 |
| IV 400 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.6 | 94.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 |
| IV 300 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.6 | 94.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 99.4 | 99.4 |
| IV 200 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.6 | 94.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 99.4 | 99.4 |
| IV 100 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.6 | 94.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 99.4 | 99.4 |
| IV 0 | 34.6 | 54.3 | 69.9 | 74.5 | 83.7 | 85.6 | 94.1 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.7 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 153

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSJCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 36.6 | 52.9 | 57.5 | 60.8 | 69.3 | 69.9 | 71.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 20000 | 37.3 | 53.6 | 58.8 | 62.8 | 71.2 | 71.9 | 74.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 18000 | 37.3 | 53.6 | 58.8 | 62.8 | 71.2 | 71.9 | 74.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 16000 | 37.3 | 53.6 | 58.8 | 62.8 | 71.2 | 71.9 | 74.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 14000 | 37.3 | 53.6 | 58.8 | 62.8 | 71.2 | 71.9 | 74.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| IV 12000 | 37.9 | 54.9 | 60.1 | 64.1 | 72.6 | 73.9 | 76.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| IV 10000 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 9000 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 8000 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 7000 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 6000 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 5000 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 4500 | 37.9 | 56.2 | 62.1 | 66.0 | 75.2 | 76.5 | 79.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| IV 4000 | 37.9 | 57.5 | 63.4 | 67.3 | 76.5 | 77.8 | 80.4 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| IV 3500 | 38.6 | 58.2 | 64.1 | 68.0 | 77.1 | 78.4 | 81.1 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| IV 3000 | 40.5 | 60.1 | 66.0 | 69.9 | 79.1 | 80.4 | 83.0 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| IV 2500 | 40.5 | 60.1 | 66.0 | 69.9 | 79.1 | 80.4 | 83.0 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| IV 2000 | 41.8 | 62.1 | 68.6 | 72.6 | 81.7 | 83.0 | 85.6 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 1800 | 41.8 | 62.1 | 68.6 | 72.6 | 81.7 | 83.0 | 85.6 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 1500 | 43.1 | 65.4 | 71.9 | 75.8 | 85.0 | 86.3 | 88.9 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| IV 1200 | 43.1 | 65.4 | 71.9 | 75.8 | 85.0 | 86.3 | 88.9 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| IV 1000 | 44.4 | 67.3 | 75.8 | 79.7 | 88.9 | 90.2 | 92.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 900 | 44.4 | 67.3 | 75.8 | 79.7 | 88.9 | 90.2 | 92.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 800 | 44.4 | 67.3 | 76.5 | 80.4 | 89.5 | 90.9 | 93.5 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 700 | 44.4 | 67.3 | 76.5 | 80.4 | 89.5 | 90.9 | 93.5 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 600 | 44.4 | 67.3 | 76.5 | 80.4 | 89.5 | 90.9 | 93.5 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 500 | 44.4 | 67.3 | 76.5 | 80.4 | 90.2 | 91.5 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 400 | 44.4 | 67.3 | 76.5 | 80.4 | 90.2 | 91.5 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 300 | 44.4 | 67.3 | 76.5 | 80.4 | 90.2 | 91.5 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 98.7 | 98.7 | 98.7 |
| IV 200 | 44.4 | 67.3 | 76.5 | 80.4 | 90.2 | 91.5 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 100 | 44.4 | 67.3 | 76.5 | 80.4 | 90.2 | 91.5 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 99.4 | 99.4 | 100.0 | 100.0 |
| IV 0 | 44.4 | 67.3 | 76.5 | 80.4 | 90.2 | 91.5 | 94.8 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 99.4 | 99.4 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 153

DIRNAVOCEANMET SMOS

5/03 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

16

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 35.2 | 56.0 | 64.0 | 67.2 | 72.8 | 72.8 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 75.2 | 75.2 | 75.2 | 75.2 |
| ≥ 20000 | 36.0 | 56.8 | 64.8 | 68.0 | 74.4 | 75.2 | 76.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 18000 | 36.0 | 56.8 | 64.8 | 68.0 | 74.4 | 75.2 | 76.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 16000 | 36.0 | 56.8 | 64.8 | 68.0 | 74.4 | 75.2 | 76.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 14000 | 36.0 | 56.8 | 64.8 | 68.0 | 74.4 | 75.2 | 76.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 12000 | 36.0 | 56.8 | 64.8 | 68.0 | 75.2 | 76.0 | 77.6 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 10000 | 36.8 | 58.4 | 68.0 | 71.2 | 78.4 | 79.2 | 80.8 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 9000 | 36.8 | 58.4 | 68.0 | 71.2 | 78.4 | 79.2 | 80.8 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 8000 | 37.6 | 59.2 | 68.8 | 72.0 | 79.2 | 80.0 | 81.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 7000 | 37.6 | 59.2 | 68.8 | 72.0 | 79.2 | 80.0 | 81.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 6000 | 37.6 | 59.2 | 68.8 | 72.0 | 79.2 | 80.0 | 81.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 5000 | 37.6 | 59.2 | 68.8 | 72.0 | 79.2 | 80.8 | 82.4 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 |
| IV 4500 | 37.6 | 59.2 | 68.8 | 72.0 | 79.2 | 80.8 | 82.4 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 |
| IV 4000 | 38.4 | 60.0 | 69.6 | 72.8 | 80.0 | 81.6 | 83.2 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.6 | 85.6 | 85.6 | 85.6 |
| IV 3500 | 38.4 | 60.0 | 69.6 | 72.8 | 80.0 | 81.6 | 83.2 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.6 | 85.6 | 85.6 | 85.6 |
| IV 3000 | 40.8 | 62.4 | 72.0 | 75.2 | 82.4 | 84.0 | 85.6 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 88.0 | 88.0 | 88.0 | 88.0 |
| IV 2500 | 41.6 | 64.0 | 73.6 | 76.8 | 84.0 | 85.6 | 87.2 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 89.6 | 89.6 | 89.6 | 89.6 |
| IV 2000 | 44.8 | 68.0 | 77.6 | 80.8 | 88.0 | 89.6 | 91.2 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 93.6 | 93.6 | 93.6 | 93.6 |
| IV 1800 | 44.8 | 68.0 | 77.6 | 80.8 | 88.0 | 89.6 | 91.2 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 93.6 | 93.6 | 93.6 | 93.6 |
| IV 1500 | 46.4 | 70.4 | 80.0 | 83.2 | 90.4 | 92.0 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 1200 | 46.4 | 72.0 | 81.6 | 84.8 | 92.0 | 93.6 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 1000 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 900 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 800 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 700 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 600 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 500 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 400 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 300 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 200 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 100 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 0 | 46.4 | 72.0 | 82.4 | 85.6 | 93.6 | 95.2 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 125

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 18.2 | 55.5 | 64.6 | 65.5 | 70.0 | 70.0 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| ≥ 20000 | 18.2 | 55.5 | 64.6 | 66.4 | 70.9 | 70.9 | 71.8 | 71.8 | 72.7 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 18000 | 18.2 | 56.4 | 65.5 | 67.3 | 71.8 | 71.8 | 72.7 | 72.7 | 73.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 16000 | 18.2 | 56.4 | 65.5 | 67.3 | 71.8 | 71.8 | 72.7 | 72.7 | 73.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 14000 | 18.2 | 56.4 | 65.5 | 67.3 | 71.8 | 71.8 | 72.7 | 72.7 | 73.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 12000 | 18.2 | 56.4 | 66.4 | 69.1 | 73.6 | 73.6 | 74.6 | 74.6 | 75.5 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| IV 10000 | 20.0 | 58.2 | 68.2 | 70.9 | 75.5 | 75.5 | 76.4 | 76.4 | 77.3 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| IV 9000 | 20.0 | 58.2 | 68.2 | 70.9 | 75.5 | 75.5 | 76.4 | 76.4 | 77.3 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| IV 8000 | 20.0 | 59.1 | 69.1 | 71.8 | 76.4 | 76.4 | 77.3 | 77.3 | 78.2 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| IV 7000 | 20.0 | 59.1 | 69.1 | 71.8 | 76.4 | 76.4 | 77.3 | 77.3 | 78.2 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| IV 6000 | 20.0 | 59.1 | 69.1 | 71.8 | 76.4 | 76.4 | 77.3 | 77.3 | 78.2 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| IV 5000 | 20.0 | 60.0 | 70.0 | 72.7 | 77.3 | 77.3 | 78.2 | 78.2 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 4500 | 20.0 | 60.0 | 70.0 | 72.7 | 77.3 | 77.3 | 78.2 | 78.2 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 4000 | 20.0 | 60.0 | 70.0 | 72.7 | 77.3 | 77.3 | 78.2 | 78.2 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 3500 | 20.0 | 60.0 | 70.0 | 72.7 | 77.3 | 77.3 | 78.2 | 78.2 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 3000 | 21.8 | 62.7 | 72.7 | 75.5 | 80.0 | 80.0 | 80.9 | 80.9 | 81.8 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| IV 2500 | 23.6 | 64.6 | 74.6 | 77.3 | 81.8 | 81.8 | 82.7 | 82.7 | 83.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 2000 | 26.4 | 68.2 | 78.2 | 80.9 | 85.5 | 85.5 | 86.4 | 86.4 | 87.3 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| IV 1800 | 26.4 | 68.2 | 79.1 | 81.8 | 86.4 | 86.4 | 87.3 | 87.3 | 88.2 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| IV 1500 | 27.3 | 71.8 | 84.6 | 87.3 | 91.8 | 91.8 | 92.7 | 92.7 | 93.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 1200 | 27.3 | 71.8 | 84.6 | 87.3 | 91.8 | 91.8 | 92.7 | 92.7 | 93.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 1000 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 900 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 800 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 700 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 600 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 500 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 400 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 300 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 200 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 100 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 |
| IV 0 | 27.3 | 71.8 | 85.5 | 88.2 | 95.5 | 95.5 | 96.4 | 96.4 | 97.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73.77
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| ≥ 20000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 18000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 16000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 14000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 12000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 10000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 9000 | | 28.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| IV 8000 | | 32.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 7000 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 6000 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 5000 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 4500 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 4000 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 3500 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 3000 | | 40.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| IV 2500 | 8.0 | 48.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| IV 2000 | 16.0 | 56.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 1800 | 16.0 | 56.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 1500 | 16.0 | 60.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 1200 | 16.0 | 60.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| IV 1000 | 16.0 | 60.0 | 72.0 | 72.0 | 76.0 | 76.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 900 | 16.0 | 60.0 | 72.0 | 72.0 | 76.0 | 76.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 800 | 16.0 | 60.0 | 72.0 | 72.0 | 76.0 | 76.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 700 | 16.0 | 60.0 | 72.0 | 72.0 | 84.0 | 84.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| IV 600 | 16.0 | 60.0 | 72.0 | 72.0 | 84.0 | 84.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| IV 500 | 16.0 | 60.0 | 76.0 | 76.0 | 88.0 | 88.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 400 | 16.0 | 60.0 | 76.0 | 76.0 | 88.0 | 88.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| IV 300 | 16.0 | 60.0 | 76.0 | 76.0 | 88.0 | 88.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 200 | 16.0 | 60.0 | 76.0 | 76.0 | 88.0 | 88.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 100.0 | 100.0 |
| IV 100 | 16.0 | 60.0 | 76.0 | 76.0 | 88.0 | 88.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 100.0 | 100.0 |
| IV 0 | 16.0 | 60.0 | 76.0 | 76.0 | 88.0 | 88.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 25

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 70

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 24.5 | 43.6 | 50.4 | 53.3 | 58.5 | 58.9 | 61.1 | 62.1 | 62.1 | 62.4 | 62.4 | 62.4 | 62.8 | 63.0 | 63.1 |
| ≥ 20000 | 24.8 | 44.0 | 51.1 | 54.3 | 59.6 | 60.2 | 62.5 | 63.9 | 64.1 | 64.5 | 64.6 | 64.6 | 65.0 | 65.2 | 65.3 |
| IV 18000 | 24.8 | 44.2 | 51.3 | 54.5 | 59.8 | 60.3 | 62.7 | 64.1 | 64.2 | 64.6 | 64.8 | 64.8 | 65.2 | 65.2 | 65.3 |
| IV 16000 | 24.8 | 44.2 | 51.3 | 54.5 | 59.8 | 60.3 | 62.7 | 64.1 | 64.2 | 64.6 | 64.8 | 64.8 | 65.2 | 65.2 | 65.3 |
| IV 14000 | 24.8 | 44.2 | 51.3 | 54.5 | 59.8 | 60.3 | 62.7 | 64.1 | 64.2 | 64.6 | 64.8 | 64.8 | 65.2 | 65.2 | 65.3 |
| IV 12000 | 24.9 | 44.4 | 51.7 | 55.0 | 60.5 | 61.1 | 63.7 | 65.0 | 65.2 | 65.6 | 65.7 | 65.7 | 66.2 | 66.2 | 66.4 |
| IV 10000 | 25.4 | 45.4 | 53.1 | 56.6 | 62.4 | 63.1 | 65.6 | 67.0 | 67.1 | 67.6 | 67.7 | 67.7 | 68.1 | 68.1 | 68.4 |
| IV 9000 | 25.4 | 45.4 | 53.1 | 56.6 | 62.4 | 63.1 | 65.6 | 67.0 | 67.1 | 67.6 | 67.7 | 67.7 | 68.1 | 68.1 | 68.4 |
| IV 8000 | 25.5 | 46.0 | 53.8 | 57.2 | 63.1 | 63.8 | 66.2 | 67.7 | 67.8 | 68.3 | 68.4 | 68.4 | 68.8 | 68.8 | 69.1 |
| IV 7000 | 25.6 | 46.4 | 54.2 | 57.7 | 63.5 | 64.2 | 66.7 | 68.1 | 68.3 | 68.7 | 68.8 | 68.8 | 69.2 | 69.2 | 69.5 |
| IV 6000 | 25.6 | 46.5 | 54.3 | 57.8 | 63.7 | 64.4 | 66.9 | 68.3 | 68.4 | 68.8 | 68.9 | 68.9 | 69.4 | 69.4 | 69.6 |
| IV 5000 | 25.6 | 46.8 | 54.6 | 58.2 | 64.1 | 64.9 | 67.4 | 68.8 | 68.9 | 69.4 | 69.5 | 69.5 | 69.9 | 69.9 | 70.2 |
| IV 4500 | 26.0 | 47.2 | 55.0 | 58.6 | 64.5 | 65.3 | 67.8 | 69.2 | 69.4 | 69.8 | 69.9 | 69.9 | 70.3 | 70.3 | 70.6 |
| IV 4000 | 26.2 | 47.6 | 55.6 | 59.2 | 65.0 | 65.9 | 68.4 | 69.8 | 69.9 | 70.3 | 70.5 | 70.5 | 70.9 | 70.9 | 71.2 |
| IV 3500 | 26.3 | 47.8 | 55.7 | 59.3 | 65.2 | 66.0 | 68.5 | 69.9 | 70.1 | 70.5 | 70.6 | 70.6 | 71.0 | 71.0 | 71.3 |
| IV 3000 | 28.3 | 49.9 | 57.9 | 61.6 | 67.4 | 68.3 | 70.8 | 72.1 | 72.3 | 72.7 | 72.8 | 72.8 | 73.3 | 73.3 | 73.5 |
| IV 2500 | 29.9 | 52.4 | 60.9 | 64.5 | 70.3 | 71.2 | 73.7 | 75.1 | 75.2 | 75.6 | 75.8 | 75.8 | 76.2 | 76.2 | 76.5 |
| IV 2000 | 32.3 | 56.1 | 65.0 | 68.7 | 74.5 | 75.4 | 77.9 | 79.3 | 79.4 | 79.8 | 79.9 | 79.9 | 80.4 | 80.4 | 80.6 |
| IV 1800 | 32.5 | 56.7 | 66.0 | 69.6 | 75.5 | 76.3 | 78.8 | 80.2 | 80.4 | 80.8 | 80.9 | 80.9 | 81.3 | 81.3 | 81.6 |
| IV 1500 | 34.3 | 59.9 | 70.1 | 74.0 | 80.1 | 80.9 | 83.6 | 85.1 | 85.2 | 85.8 | 85.9 | 85.9 | 86.4 | 86.4 | 86.6 |
| IV 1200 | 34.7 | 60.7 | 71.3 | 75.4 | 81.8 | 82.6 | 85.2 | 86.8 | 86.9 | 87.7 | 87.9 | 87.9 | 88.3 | 88.3 | 88.6 |
| IV 1000 | 35.2 | 61.6 | 73.1 | 77.2 | 84.7 | 85.8 | 89.4 | 91.1 | 91.2 | 92.2 | 92.3 | 92.3 | 92.8 | 92.8 | 93.0 |
| IV 900 | 35.4 | 61.7 | 73.3 | 77.4 | 85.5 | 86.6 | 90.3 | 92.1 | 92.2 | 93.2 | 93.3 | 93.3 | 93.7 | 93.7 | 94.0 |
| IV 800 | 35.4 | 61.7 | 73.3 | 77.7 | 85.8 | 86.9 | 90.8 | 92.8 | 92.9 | 93.9 | 94.0 | 94.0 | 94.7 | 94.7 | 95.0 |
| IV 700 | 35.4 | 61.7 | 73.7 | 77.9 | 86.4 | 87.5 | 91.5 | 93.5 | 93.6 | 94.9 | 95.0 | 95.0 | 95.8 | 95.8 | 96.1 |
| IV 600 | 35.4 | 61.7 | 73.7 | 77.9 | 86.4 | 87.5 | 91.5 | 93.5 | 93.6 | 94.9 | 95.1 | 95.1 | 96.0 | 96.0 | 96.2 |
| IV 500 | 35.4 | 61.7 | 73.8 | 78.0 | 86.6 | 87.9 | 91.9 | 93.9 | 94.0 | 95.3 | 95.7 | 95.7 | 96.7 | 96.7 | 96.9 |
| IV 400 | 35.4 | 61.7 | 73.8 | 78.0 | 86.6 | 87.9 | 91.9 | 93.9 | 94.0 | 95.4 | 95.8 | 95.8 | 96.9 | 96.9 | 97.1 |
| IV 300 | 35.4 | 61.7 | 73.8 | 78.0 | 86.6 | 87.9 | 92.1 | 94.2 | 94.3 | 95.7 | 96.1 | 96.1 | 97.5 | 97.8 | 98.1 |
| IV 200 | 35.4 | 61.7 | 73.8 | 78.0 | 86.6 | 87.9 | 92.1 | 94.2 | 94.3 | 95.7 | 96.1 | 96.1 | 97.8 | 98.2 | 98.5 |
| IV 100 | 35.4 | 61.7 | 74.0 | 78.1 | 86.8 | 88.0 | 92.2 | 94.3 | 94.4 | 95.8 | 96.2 | 96.2 | 98.1 | 98.5 | 99.3 |
| IV 0 | 35.4 | 61.7 | 74.0 | 78.1 | 86.8 | 88.0 | 92.2 | 94.3 | 94.4 | 95.8 | 96.2 | 96.2 | 98.1 | 98.5 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 718

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSNOV
MONTH01
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 20000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 18000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 16000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 14000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 12000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 10000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 9000 | 40.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 8000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 40.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 5

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 20000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 18000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 16000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 14000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 12000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 10000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 9000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 8000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 7000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 6000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 5000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 4500 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 4000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 3500 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 3000 | 66.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 2500 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 83.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNOV
MONTH07
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.5 | 55.9 | 58.6 | 61.4 | 64.1 | 64.1 | 64.8 | 64.8 | 64.8 | 65.5 | 65.5 | 65.5 | 66.9 | 66.9 | 67.6 | 67.6 |
| ≥ 20000 | 49.0 | 60.7 | 63.5 | 66.2 | 69.0 | 69.0 | 69.7 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.7 | 71.7 | 72.4 | 72.4 |
| IV 18000 | 49.0 | 60.7 | 63.5 | 66.2 | 69.0 | 69.0 | 69.7 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.7 | 71.7 | 72.4 | 72.4 |
| IV 16000 | 49.0 | 60.7 | 63.5 | 66.2 | 69.0 | 69.0 | 69.7 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.7 | 71.7 | 72.4 | 72.4 |
| IV 14000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 12000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 10000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 9000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 8000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 7000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 6000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 5000 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 4500 | 49.7 | 61.4 | 64.1 | 66.9 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.4 | 72.4 | 73.1 | 73.1 |
| IV 4000 | 50.3 | 62.1 | 64.8 | 67.6 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 71.7 | 71.7 | 71.7 | 73.1 | 73.1 | 73.8 | 73.8 |
| IV 3500 | 51.0 | 62.8 | 65.5 | 68.3 | 71.0 | 71.0 | 71.7 | 71.7 | 71.7 | 72.4 | 72.4 | 72.4 | 73.8 | 73.8 | 74.5 | 74.5 |
| IV 3000 | 51.0 | 63.5 | 66.2 | 69.0 | 71.7 | 71.7 | 72.4 | 72.4 | 72.4 | 73.1 | 73.1 | 73.1 | 74.5 | 74.5 | 75.2 | 75.2 |
| IV 2500 | 54.5 | 66.9 | 69.7 | 72.4 | 75.2 | 75.2 | 75.9 | 75.9 | 75.9 | 76.6 | 76.6 | 76.6 | 77.9 | 77.9 | 78.6 | 78.6 |
| IV 2000 | 55.9 | 68.3 | 71.7 | 74.5 | 77.2 | 77.2 | 77.9 | 77.9 | 77.9 | 78.6 | 78.6 | 78.6 | 80.0 | 80.0 | 80.7 | 80.7 |
| IV 1800 | 55.9 | 68.3 | 71.7 | 74.5 | 77.2 | 77.2 | 77.9 | 77.9 | 77.9 | 78.6 | 78.6 | 78.6 | 80.0 | 80.0 | 80.7 | 80.7 |
| IV 1500 | 57.2 | 70.3 | 75.2 | 77.9 | 80.7 | 81.4 | 82.8 | 83.5 | 83.5 | 84.1 | 84.1 | 84.1 | 85.5 | 85.5 | 86.2 | 86.2 |
| IV 1200 | 57.2 | 71.7 | 76.6 | 79.3 | 82.1 | 82.8 | 84.1 | 85.5 | 85.5 | 86.9 | 86.9 | 86.9 | 88.3 | 88.3 | 89.0 | 89.0 |
| IV 1000 | 57.9 | 73.1 | 77.9 | 80.7 | 84.1 | 84.8 | 86.9 | 88.3 | 88.3 | 89.7 | 89.7 | 89.7 | 91.0 | 91.0 | 91.7 | 91.7 |
| IV 900 | 57.9 | 73.1 | 77.9 | 80.7 | 84.1 | 84.8 | 86.9 | 88.3 | 88.3 | 89.7 | 89.7 | 89.7 | 91.0 | 91.0 | 91.7 | 91.7 |
| IV 800 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 87.6 | 89.0 | 89.0 | 90.3 | 90.3 | 90.3 | 91.7 | 91.7 | 92.4 | 92.4 |
| IV 700 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 87.6 | 89.0 | 89.0 | 90.3 | 90.3 | 90.3 | 91.7 | 91.7 | 92.4 | 92.4 |
| IV 600 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 87.6 | 89.0 | 89.0 | 90.3 | 90.3 | 90.3 | 91.7 | 91.7 | 92.4 | 92.4 |
| IV 500 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 88.3 | 90.3 | 90.3 | 91.7 | 91.7 | 91.7 | 93.1 | 93.1 | 93.8 | 93.8 |
| IV 400 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 88.3 | 90.3 | 90.3 | 91.7 | 91.7 | 91.7 | 93.8 | 93.8 | 94.5 | 94.5 |
| IV 300 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 88.3 | 90.3 | 90.3 | 91.7 | 91.7 | 91.7 | 94.5 | 94.5 | 95.2 | 95.2 |
| IV 200 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 88.3 | 90.3 | 90.3 | 91.7 | 91.7 | 91.7 | 94.5 | 94.5 | 95.2 | 95.2 |
| IV 100 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 88.3 | 90.3 | 90.3 | 91.7 | 91.7 | 91.7 | 95.2 | 95.2 | 96.6 | 97.9 |
| IV 0 | 57.9 | 73.1 | 77.9 | 80.7 | 84.8 | 85.5 | 88.3 | 90.3 | 90.3 | 91.7 | 91.7 | 91.7 | 95.2 | 95.2 | 96.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 145

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNDV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 51.0 | 60.4 | 64.4 | 67.8 | 72.5 | 72.5 | 73.2 | 73.8 | 73.8 | 73.8 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥ 20000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 18000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 16000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 14000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 12000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 10000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 9000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 8000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 7000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 6000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 5000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 4500 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 4000 | 53.7 | 65.1 | 69.1 | 72.5 | 77.2 | 77.2 | 77.9 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 3500 | 55.0 | 66.4 | 70.5 | 73.8 | 78.5 | 78.5 | 79.2 | 79.9 | 79.9 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 3000 | 55.0 | 67.1 | 71.1 | 75.2 | 79.9 | 79.9 | 80.5 | 81.2 | 81.2 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 2500 | 57.1 | 69.8 | 73.8 | 77.9 | 82.6 | 82.6 | 83.2 | 83.9 | 83.9 | 84.6 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 2000 | 58.4 | 71.8 | 75.8 | 79.9 | 84.6 | 85.2 | 85.9 | 86.6 | 86.6 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 1800 | 58.4 | 72.5 | 76.5 | 80.5 | 85.2 | 85.9 | 86.6 | 87.3 | 87.3 | 87.9 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| IV 1500 | 60.4 | 75.8 | 79.9 | 83.9 | 88.6 | 89.3 | 90.6 | 91.3 | 91.3 | 92.6 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 1200 | 60.4 | 76.5 | 80.5 | 84.6 | 89.3 | 89.9 | 91.3 | 92.0 | 92.0 | 93.3 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 1000 | 60.4 | 76.5 | 81.2 | 85.2 | 90.6 | 91.3 | 93.3 | 94.0 | 94.0 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 900 | 60.4 | 76.5 | 81.2 | 85.2 | 90.6 | 91.3 | 93.3 | 94.0 | 94.0 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 800 | 60.4 | 76.5 | 81.2 | 85.2 | 90.6 | 91.3 | 93.3 | 94.0 | 94.0 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 700 | 60.4 | 76.5 | 81.2 | 85.2 | 90.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 600 | 60.4 | 76.5 | 81.9 | 85.9 | 91.3 | 92.0 | 94.0 | 95.3 | 95.3 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 500 | 60.4 | 76.5 | 81.9 | 85.9 | 91.3 | 92.0 | 94.0 | 95.3 | 95.3 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 400 | 60.4 | 76.5 | 82.6 | 86.6 | 92.0 | 92.6 | 94.6 | 96.0 | 96.0 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 300 | 60.4 | 76.5 | 82.6 | 86.6 | 92.0 | 92.6 | 94.6 | 96.0 | 96.0 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 200 | 60.4 | 76.5 | 82.6 | 86.6 | 92.0 | 92.6 | 94.6 | 96.0 | 96.0 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 100 | 60.4 | 76.5 | 82.6 | 86.6 | 92.0 | 92.6 | 94.6 | 96.0 | 96.0 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 0 | 60.4 | 76.5 | 82.6 | 86.6 | 92.0 | 92.6 | 94.6 | 96.0 | 96.0 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |

TOTAL NUMBER OF OBSERVATIONS 149

DIRNAVOCEANMET SMO6

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 51.0 | 61.1 | 63.1 | 66.4 | 70.5 | 70.5 | 71.1 | 73.2 | 73.2 | 73.2 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥ 20000 | 55.0 | 66.4 | 68.5 | 73.2 | 77.2 | 77.2 | 77.9 | 79.9 | 79.9 | 79.9 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| IV 18000 | 55.0 | 66.4 | 68.5 | 73.2 | 77.2 | 77.2 | 77.9 | 79.9 | 79.9 | 79.9 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| IV 16000 | 55.0 | 66.4 | 68.5 | 73.2 | 77.2 | 77.2 | 77.9 | 79.9 | 79.9 | 79.9 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| IV 14000 | 57.1 | 68.5 | 70.5 | 75.2 | 79.2 | 79.2 | 79.9 | 81.9 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 12000 | 57.7 | 69.1 | 71.1 | 75.8 | 79.9 | 79.9 | 80.5 | 82.6 | 82.6 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 10000 | 57.7 | 69.1 | 71.1 | 75.8 | 79.9 | 79.9 | 80.5 | 82.6 | 82.6 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 9000 | 57.7 | 69.1 | 71.1 | 75.8 | 79.9 | 79.9 | 80.5 | 82.6 | 82.6 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 8000 | 58.4 | 69.8 | 71.8 | 76.5 | 80.5 | 80.5 | 81.2 | 83.2 | 83.2 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 7000 | 58.4 | 69.8 | 71.8 | 76.5 | 80.5 | 80.5 | 81.2 | 83.2 | 83.2 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 6000 | 58.4 | 69.8 | 71.8 | 76.5 | 80.5 | 80.5 | 81.2 | 83.2 | 83.2 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 5000 | 58.4 | 69.8 | 71.8 | 76.5 | 80.5 | 80.5 | 81.2 | 83.2 | 83.2 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 4500 | 58.4 | 69.8 | 71.8 | 76.5 | 80.5 | 80.5 | 81.2 | 83.2 | 83.2 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 4000 | 59.1 | 70.5 | 72.5 | 77.2 | 81.2 | 81.2 | 81.9 | 83.9 | 83.9 | 84.6 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 3500 | 61.1 | 72.5 | 74.5 | 79.2 | 83.2 | 83.2 | 83.9 | 85.9 | 85.9 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 3000 | 61.7 | 73.2 | 75.2 | 79.9 | 83.9 | 83.9 | 84.6 | 86.6 | 86.6 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 2500 | 63.1 | 75.2 | 77.2 | 81.9 | 85.9 | 85.9 | 86.6 | 88.6 | 88.6 | 89.3 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| IV 2000 | 65.8 | 77.9 | 79.9 | 85.2 | 89.3 | 89.3 | 89.9 | 92.0 | 92.0 | 92.6 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 1800 | 66.4 | 79.2 | 81.2 | 86.6 | 90.6 | 90.6 | 91.3 | 93.3 | 93.3 | 94.0 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| IV 1500 | 66.4 | 81.2 | 83.2 | 88.6 | 92.6 | 92.6 | 93.3 | 95.3 | 95.3 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 1200 | 66.4 | 81.2 | 83.2 | 88.6 | 93.3 | 93.3 | 94.0 | 96.0 | 96.0 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 1000 | 66.4 | 81.2 | 83.9 | 89.3 | 94.0 | 94.0 | 94.6 | 97.3 | 97.3 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 900 | 66.4 | 81.2 | 83.9 | 89.3 | 94.0 | 94.0 | 94.6 | 97.3 | 97.3 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 800 | 66.4 | 81.2 | 83.9 | 89.3 | 94.0 | 94.0 | 94.6 | 97.3 | 97.3 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 700 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 66.4 | 81.9 | 84.6 | 89.9 | 94.6 | 94.6 | 96.0 | 98.7 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 149

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 52.4 | 64.4 | 71.8 | 73.2 | 74.5 | 74.5 | 75.2 | 75.2 | 75.2 | 75.8 | 76.5 | 76.5 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 20000 | 57.7 | 71.8 | 79.2 | 80.5 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 83.2 | 83.9 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 18000 | 57.7 | 71.8 | 79.2 | 80.5 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 83.2 | 83.9 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 16000 | 57.7 | 71.8 | 79.2 | 80.5 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 83.2 | 83.9 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 |
| IV 14000 | 59.1 | 73.2 | 80.5 | 81.9 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 84.6 | 85.2 | 85.2 | 85.9 | 85.9 | 85.9 | 85.9 |
| IV 12000 | 59.1 | 73.2 | 80.5 | 81.9 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 84.6 | 85.2 | 85.2 | 85.9 | 85.9 | 85.9 | 85.9 |
| IV 10000 | 60.4 | 74.5 | 81.9 | 83.2 | 84.6 | 84.6 | 85.2 | 85.2 | 85.2 | 85.9 | 86.6 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 9000 | 60.4 | 74.5 | 81.9 | 83.2 | 84.6 | 84.6 | 85.2 | 85.2 | 85.2 | 85.9 | 86.6 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 8000 | 60.4 | 74.5 | 81.9 | 83.2 | 84.6 | 84.6 | 85.2 | 85.2 | 85.2 | 85.9 | 86.6 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 7000 | 60.4 | 74.5 | 81.9 | 83.2 | 84.6 | 84.6 | 85.2 | 85.2 | 85.2 | 85.9 | 86.6 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 6000 | 60.4 | 74.5 | 81.9 | 83.2 | 84.6 | 84.6 | 85.2 | 85.2 | 85.2 | 85.9 | 86.6 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 5000 | 61.1 | 75.2 | 82.6 | 83.9 | 85.2 | 85.2 | 85.9 | 85.9 | 85.9 | 86.6 | 87.3 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 4500 | 61.1 | 75.2 | 82.6 | 83.9 | 85.2 | 85.2 | 85.9 | 85.9 | 85.9 | 86.6 | 87.3 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 4000 | 61.1 | 75.2 | 82.6 | 83.9 | 85.2 | 85.2 | 85.9 | 85.9 | 85.9 | 86.6 | 87.3 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 |
| IV 3500 | 61.7 | 75.8 | 83.2 | 84.6 | 85.9 | 85.9 | 86.6 | 86.6 | 86.6 | 87.3 | 87.9 | 87.9 | 88.6 | 88.6 | 88.6 | 88.6 |
| IV 3000 | 61.7 | 75.8 | 83.2 | 84.6 | 85.9 | 85.9 | 86.6 | 86.6 | 86.6 | 87.3 | 87.9 | 87.9 | 88.6 | 88.6 | 88.6 | 88.6 |
| IV 2500 | 61.7 | 75.8 | 83.2 | 84.6 | 85.9 | 85.9 | 86.6 | 86.6 | 86.6 | 87.3 | 87.9 | 87.9 | 88.6 | 88.6 | 88.6 | 88.6 |
| IV 2000 | 63.8 | 78.5 | 85.9 | 87.3 | 88.6 | 88.6 | 89.3 | 89.3 | 89.3 | 89.9 | 90.6 | 90.6 | 91.3 | 91.3 | 91.3 | 91.3 |
| IV 1800 | 63.8 | 78.5 | 85.9 | 87.3 | 88.6 | 88.6 | 89.3 | 89.3 | 89.3 | 89.9 | 90.6 | 90.6 | 91.3 | 91.3 | 91.3 | 91.3 |
| IV 1500 | 65.1 | 81.2 | 88.6 | 89.9 | 91.3 | 91.3 | 92.0 | 92.0 | 92.0 | 92.6 | 93.3 | 93.3 | 94.0 | 94.0 | 94.0 | 94.0 |
| IV 1200 | 65.8 | 81.9 | 89.9 | 91.3 | 92.6 | 92.6 | 93.3 | 93.3 | 93.3 | 94.0 | 94.6 | 94.6 | 95.3 | 95.3 | 95.3 | 95.3 |
| IV 1000 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.0 | 96.0 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 900 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.0 | 96.0 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 800 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.0 | 96.0 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 700 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.0 | 96.0 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 600 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.0 | 96.0 | 96.6 | 97.3 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 500 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 97.3 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 400 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 97.3 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 300 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 97.3 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 200 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 97.3 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 100 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 97.3 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 0 | 65.8 | 82.6 | 91.3 | 93.3 | 94.6 | 94.6 | 96.0 | 96.6 | 96.6 | 97.3 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 149

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 31.3 | 63.4 | 66.1 | 68.8 | 70.5 | 72.3 | 72.3 | 72.3 | 72.3 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 74.1 | 75.0 |
| ≥ 20000 | 33.0 | 67.0 | 69.6 | 72.3 | 74.1 | 75.9 | 75.9 | 75.9 | 75.9 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 78.6 |
| IV 18000 | 33.0 | 67.0 | 69.6 | 72.3 | 74.1 | 75.9 | 75.9 | 75.9 | 75.9 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 78.6 |
| IV 16000 | 33.0 | 67.0 | 69.6 | 72.3 | 74.1 | 75.9 | 75.9 | 75.9 | 75.9 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 78.6 |
| IV 14000 | 33.0 | 67.9 | 70.5 | 73.2 | 75.0 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 79.5 |
| IV 12000 | 33.0 | 67.9 | 70.5 | 73.2 | 75.0 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 79.5 |
| IV 10000 | 33.0 | 67.9 | 70.5 | 73.2 | 75.0 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 79.5 |
| IV 9000 | 33.0 | 67.9 | 70.5 | 73.2 | 75.0 | 76.8 | 76.8 | 76.8 | 76.8 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 79.5 |
| IV 8000 | 33.9 | 68.8 | 71.4 | 74.1 | 75.9 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 79.5 | 80.4 |
| IV 7000 | 33.9 | 68.8 | 71.4 | 74.1 | 75.9 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 79.5 | 80.4 |
| IV 6000 | 33.9 | 68.8 | 71.4 | 74.1 | 75.9 | 77.7 | 77.7 | 77.7 | 77.7 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 79.5 | 80.4 |
| IV 5000 | 34.8 | 69.6 | 72.3 | 75.0 | 76.8 | 78.6 | 78.6 | 78.6 | 78.6 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 80.4 | 81.3 |
| IV 4500 | 34.8 | 69.6 | 72.3 | 75.0 | 76.8 | 78.6 | 78.6 | 78.6 | 78.6 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 80.4 | 81.3 |
| IV 4000 | 34.8 | 69.6 | 72.3 | 75.0 | 76.8 | 78.6 | 78.6 | 78.6 | 78.6 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 80.4 | 81.3 |
| IV 3500 | 34.8 | 70.5 | 73.2 | 75.9 | 77.7 | 79.5 | 79.5 | 79.5 | 79.5 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 81.3 | 82.1 |
| IV 3000 | 34.8 | 70.5 | 73.2 | 75.9 | 77.7 | 79.5 | 79.5 | 79.5 | 79.5 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 81.3 | 82.1 |
| IV 2500 | 35.7 | 71.4 | 74.1 | 76.8 | 78.6 | 80.4 | 80.4 | 80.4 | 80.4 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 82.1 | 83.0 |
| IV 2000 | 37.5 | 75.9 | 78.6 | 81.3 | 83.0 | 84.8 | 84.8 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.6 | 87.5 |
| IV 1800 | 37.5 | 75.9 | 78.6 | 81.3 | 83.0 | 84.8 | 84.8 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.6 | 87.5 |
| IV 1500 | 37.5 | 77.7 | 80.4 | 83.0 | 85.7 | 87.5 | 87.5 | 87.5 | 87.5 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 89.3 | 90.2 |
| IV 1200 | 37.5 | 78.6 | 81.3 | 84.8 | 86.6 | 88.4 | 88.4 | 88.4 | 88.4 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 90.2 | 91.1 |
| IV 1000 | 38.4 | 79.5 | 82.1 | 85.7 | 88.4 | 90.2 | 90.2 | 90.2 | 90.2 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 92.0 | 92.9 |
| IV 900 | 38.4 | 79.5 | 82.1 | 85.7 | 88.4 | 90.2 | 90.2 | 90.2 | 90.2 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 92.0 | 92.9 |
| IV 800 | 38.4 | 80.4 | 83.0 | 87.5 | 90.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 94.6 |
| IV 700 | 38.4 | 80.4 | 83.0 | 88.4 | 91.1 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.6 | 95.5 |
| IV 600 | 38.4 | 80.4 | 83.0 | 88.4 | 91.1 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.6 | 95.5 |
| IV 500 | 38.4 | 80.4 | 84.8 | 89.3 | 92.0 | 93.8 | 93.8 | 93.8 | 93.8 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 95.5 | 96.4 |
| IV 400 | 38.4 | 80.4 | 84.8 | 89.3 | 92.0 | 93.8 | 93.8 | 93.8 | 93.8 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 95.5 | 96.4 |
| IV 300 | 38.4 | 80.4 | 84.8 | 89.3 | 92.0 | 93.8 | 93.8 | 94.6 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 96.4 | 97.3 |
| IV 200 | 38.4 | 80.4 | 84.8 | 89.3 | 92.0 | 93.8 | 93.8 | 94.6 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 96.4 | 97.3 |
| IV 100 | 38.4 | 80.4 | 84.8 | 89.3 | 92.0 | 93.8 | 93.8 | 94.6 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 | 96.4 | 97.3 | 98.2 |
| IV 0 | 38.4 | 80.4 | 84.8 | 89.3 | 92.0 | 93.8 | 93.8 | 94.6 | 94.6 | 95.5 | 95.5 | 95.5 | 96.4 | 96.4 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 112

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73,77
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 21.6 | 51.4 | 59.5 | 64.9 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 73.0 | 73.0 |
| ≥ 20000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 18000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 16000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 14000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 12000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 10000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 9000 | 24.3 | 59.5 | 67.6 | 73.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 81.1 | 81.1 |
| IV 8000 | 24.3 | 62.2 | 70.3 | 75.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 83.8 | 83.8 |
| IV 7000 | 24.3 | 62.2 | 70.3 | 75.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 83.8 | 83.8 |
| IV 6000 | 24.3 | 62.2 | 70.3 | 75.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 83.8 | 83.8 |
| IV 5000 | 24.3 | 62.2 | 70.3 | 75.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 83.8 | 83.8 |
| IV 4500 | 24.3 | 62.2 | 70.3 | 75.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 83.8 | 83.8 |
| IV 4000 | 24.3 | 62.2 | 70.3 | 75.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 83.8 | 83.8 |
| IV 3500 | 24.3 | 64.9 | 73.0 | 78.4 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 86.5 | 86.5 |
| IV 3000 | 24.3 | 64.9 | 73.0 | 78.4 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 86.5 | 86.5 |
| IV 2500 | 24.3 | 67.6 | 75.7 | 81.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 89.2 | 89.2 |
| IV 2000 | 24.3 | 70.3 | 78.4 | 83.8 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 91.9 | 91.9 |
| IV 1800 | 24.3 | 70.3 | 78.4 | 83.8 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 91.9 | 91.9 |
| IV 1500 | 24.3 | 75.7 | 83.8 | 89.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 97.3 | 97.3 |
| IV 1200 | 24.3 | 75.7 | 83.8 | 89.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 97.3 | 97.3 |
| IV 1000 | 24.3 | 75.7 | 83.8 | 89.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 97.3 | 97.3 |
| IV 900 | 24.3 | 75.7 | 83.8 | 89.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 97.3 | 97.3 |
| IV 800 | 24.3 | 75.7 | 83.8 | 89.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 97.3 | 97.3 |
| IV 700 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 600 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 500 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 400 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 300 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 200 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 100 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |
| IV 0 | 24.3 | 78.4 | 86.5 | 91.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 37

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.9 | 60.8 | 64.8 | 67.6 | 70.6 | 70.9 | 71.4 | 71.9 | 71.9 | 72.3 | 72.7 | 72.7 | 73.1 | 73.1 | 73.5 | 73.7 |
| ≥ 20000 | 49.2 | 66.1 | 70.1 | 73.1 | 76.2 | 76.5 | 77.0 | 77.5 | 77.5 | 78.1 | 78.5 | 78.5 | 78.9 | 78.9 | 79.3 | 79.4 |
| IV 18000 | 49.2 | 66.1 | 70.1 | 73.1 | 76.2 | 76.5 | 77.0 | 77.5 | 77.5 | 78.1 | 78.5 | 78.5 | 78.9 | 78.9 | 79.3 | 79.4 |
| IV 16000 | 49.2 | 66.1 | 70.1 | 73.1 | 76.2 | 76.5 | 77.0 | 77.5 | 77.5 | 78.1 | 78.5 | 78.5 | 78.9 | 78.9 | 79.3 | 79.4 |
| IV 14000 | 50.1 | 67.0 | 71.0 | 74.1 | 77.1 | 77.4 | 77.9 | 78.5 | 78.5 | 79.0 | 79.4 | 79.4 | 79.8 | 79.8 | 80.2 | 80.3 |
| IV 12000 | 50.3 | 67.2 | 71.1 | 74.2 | 77.2 | 77.5 | 78.1 | 78.6 | 78.6 | 79.1 | 79.5 | 79.5 | 79.9 | 79.9 | 80.3 | 80.5 |
| IV 10000 | 50.5 | 67.4 | 71.4 | 74.5 | 77.5 | 77.8 | 78.3 | 78.9 | 78.9 | 79.5 | 79.9 | 79.9 | 80.3 | 80.3 | 80.7 | 80.9 |
| IV 9000 | 50.5 | 67.4 | 71.4 | 74.5 | 77.5 | 77.8 | 78.3 | 78.9 | 78.9 | 79.5 | 79.9 | 79.9 | 80.3 | 80.3 | 80.7 | 80.9 |
| IV 8000 | 50.8 | 68.0 | 71.9 | 75.0 | 78.1 | 78.3 | 78.9 | 79.4 | 79.4 | 80.1 | 80.5 | 80.5 | 80.9 | 80.9 | 81.3 | 81.4 |
| IV 7000 | 50.8 | 68.0 | 71.9 | 75.0 | 78.1 | 78.3 | 78.9 | 79.4 | 79.4 | 80.1 | 80.5 | 80.5 | 80.9 | 80.9 | 81.3 | 81.4 |
| IV 6000 | 50.8 | 68.0 | 71.9 | 75.0 | 78.1 | 78.3 | 78.9 | 79.4 | 79.4 | 80.1 | 80.5 | 80.5 | 80.9 | 80.9 | 81.3 | 81.4 |
| IV 5000 | 51.1 | 68.2 | 72.2 | 75.3 | 78.2 | 78.6 | 79.1 | 79.7 | 79.7 | 80.3 | 80.7 | 80.7 | 81.1 | 81.1 | 81.5 | 81.7 |
| IV 4500 | 51.1 | 68.2 | 72.2 | 75.3 | 78.2 | 78.6 | 79.1 | 79.7 | 79.7 | 80.3 | 80.7 | 80.7 | 81.1 | 81.1 | 81.5 | 81.7 |
| IV 4000 | 51.3 | 68.5 | 72.5 | 75.5 | 78.6 | 78.9 | 79.4 | 79.9 | 79.9 | 80.6 | 81.0 | 81.0 | 81.4 | 81.4 | 81.8 | 81.9 |
| IV 3500 | 52.3 | 69.7 | 73.7 | 76.7 | 79.8 | 80.1 | 80.6 | 81.1 | 81.1 | 81.8 | 82.2 | 82.2 | 82.6 | 82.6 | 83.0 | 83.1 |
| IV 3000 | 52.4 | 70.1 | 74.1 | 77.1 | 80.3 | 80.6 | 81.1 | 81.7 | 81.7 | 82.3 | 82.7 | 82.7 | 83.1 | 83.1 | 83.5 | 83.6 |
| IV 2500 | 54.0 | 72.1 | 76.1 | 79.3 | 82.3 | 82.6 | 83.1 | 83.6 | 83.6 | 84.3 | 84.7 | 84.7 | 85.1 | 85.1 | 85.5 | 85.6 |
| IV 2000 | 55.7 | 74.6 | 78.7 | 82.1 | 85.1 | 85.5 | 86.0 | 86.6 | 86.6 | 87.2 | 87.6 | 87.6 | 88.0 | 88.0 | 88.4 | 88.6 |
| IV 1800 | 55.9 | 75.0 | 79.1 | 82.5 | 85.5 | 85.9 | 86.4 | 87.0 | 87.0 | 87.6 | 88.0 | 88.0 | 88.4 | 88.4 | 88.8 | 89.0 |
| IV 1500 | 56.8 | 77.5 | 81.9 | 85.4 | 88.4 | 89.0 | 89.8 | 90.4 | 90.4 | 91.2 | 91.6 | 91.6 | 92.0 | 92.0 | 92.4 | 92.6 |
| IV 1200 | 56.9 | 78.2 | 82.7 | 86.2 | 89.4 | 89.9 | 90.7 | 91.5 | 91.5 | 92.4 | 92.8 | 92.8 | 93.2 | 93.2 | 93.6 | 93.8 |
| IV 1000 | 57.2 | 78.7 | 83.6 | 87.2 | 90.8 | 91.4 | 92.6 | 93.5 | 93.5 | 94.4 | 94.8 | 94.8 | 95.2 | 95.2 | 95.6 | 95.7 |
| IV 900 | 57.2 | 78.7 | 83.6 | 87.2 | 90.8 | 91.4 | 92.6 | 93.5 | 93.5 | 94.4 | 94.8 | 94.8 | 95.2 | 95.2 | 95.6 | 95.7 |
| IV 800 | 57.2 | 78.9 | 83.9 | 87.5 | 91.2 | 91.8 | 93.1 | 94.0 | 94.0 | 95.0 | 95.4 | 95.4 | 95.7 | 95.7 | 96.1 | 96.3 |
| IV 700 | 57.2 | 79.1 | 84.2 | 87.9 | 91.6 | 92.2 | 93.5 | 94.6 | 94.6 | 95.5 | 95.9 | 95.9 | 96.3 | 96.3 | 96.7 | 96.8 |
| IV 600 | 57.2 | 79.1 | 84.3 | 88.0 | 91.8 | 92.3 | 93.6 | 94.8 | 94.8 | 95.7 | 96.1 | 96.1 | 96.5 | 96.5 | 96.9 | 97.1 |
| IV 500 | 57.2 | 79.1 | 84.4 | 88.2 | 91.9 | 92.4 | 93.9 | 95.2 | 95.2 | 96.1 | 96.5 | 96.5 | 96.9 | 96.9 | 97.3 | 97.5 |
| IV 400 | 57.2 | 79.1 | 84.6 | 88.3 | 92.0 | 92.6 | 94.0 | 95.4 | 95.4 | 96.3 | 96.7 | 96.7 | 97.2 | 97.2 | 97.6 | 97.7 |
| IV 300 | 57.2 | 79.1 | 84.6 | 88.3 | 92.0 | 92.6 | 94.0 | 95.5 | 95.5 | 96.4 | 96.9 | 96.9 | 97.7 | 97.7 | 98.1 | 98.3 |
| IV 200 | 57.2 | 79.1 | 84.6 | 88.3 | 92.0 | 92.6 | 94.0 | 95.5 | 95.5 | 96.4 | 97.1 | 97.1 | 97.9 | 97.9 | 98.4 | 98.5 |
| IV 100 | 57.2 | 79.1 | 84.6 | 88.3 | 92.0 | 92.6 | 94.0 | 95.5 | 95.5 | 96.4 | 97.1 | 97.1 | 98.1 | 98.1 | 98.9 | 99.3 |
| IV 0 | 57.2 | 79.1 | 84.6 | 88.3 | 92.0 | 92.6 | 94.0 | 95.5 | 95.5 | 96.4 | 97.1 | 97.1 | 98.1 | 98.1 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 752

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 20000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 18000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 16000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 14000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 12000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 10000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 9000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 8000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 7000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 6000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 5000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 4500 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 4000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 3500 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 3000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2500 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1800 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 1500 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 1200 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 1000 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 900 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 800 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 700 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 600 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 500 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 400 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 300 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 200 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 100 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |
| IV 0 | | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73
YEARSDEC
MONTH04
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 | |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

5/03 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 50.7 | 56.8 | 60.8 | 62.2 | 64.9 | 64.9 | 65.5 | 65.5 | 65.5 | 66.2 | 66.2 | 66.2 | 67.6 | 67.6 | 67.6 |
| ≥ 20000 | 55.4 | 61.5 | 66.2 | 67.6 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.3 | 72.3 | 72.3 | 73.7 | 73.7 | 73.7 |
| IV 18000 | 55.4 | 61.5 | 66.2 | 67.6 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.3 | 72.3 | 72.3 | 73.7 | 73.7 | 73.7 |
| IV 16000 | 55.4 | 61.5 | 66.2 | 67.6 | 70.3 | 70.3 | 71.0 | 71.0 | 71.0 | 72.3 | 72.3 | 72.3 | 73.7 | 73.7 | 73.7 |
| IV 14000 | 55.4 | 62.2 | 66.9 | 68.2 | 71.0 | 71.0 | 71.6 | 71.6 | 71.6 | 73.0 | 73.0 | 73.0 | 74.3 | 74.3 | 74.3 |
| IV 12000 | 56.1 | 62.8 | 67.6 | 68.9 | 71.6 | 71.6 | 72.3 | 72.3 | 72.3 | 73.7 | 73.7 | 73.7 | 75.0 | 75.0 | 75.0 |
| IV 10000 | 57.4 | 64.2 | 68.9 | 70.3 | 73.0 | 73.0 | 73.7 | 73.7 | 73.7 | 75.0 | 75.0 | 75.0 | 76.4 | 76.4 | 76.4 |
| IV 9000 | 57.4 | 64.2 | 68.9 | 70.3 | 73.0 | 73.0 | 73.7 | 73.7 | 73.7 | 75.0 | 75.0 | 75.0 | 76.4 | 76.4 | 76.4 |
| IV 8000 | 58.1 | 64.9 | 69.6 | 71.0 | 73.7 | 73.7 | 74.3 | 74.3 | 74.3 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 |
| IV 7000 | 58.1 | 64.9 | 69.6 | 71.0 | 73.7 | 73.7 | 74.3 | 74.3 | 74.3 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 |
| IV 6000 | 58.1 | 64.9 | 69.6 | 71.0 | 73.7 | 73.7 | 74.3 | 74.3 | 74.3 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 |
| IV 5000 | 58.8 | 65.5 | 70.3 | 71.6 | 75.0 | 75.0 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 | 78.4 | 78.4 | 78.4 |
| IV 4500 | 58.8 | 65.5 | 70.3 | 71.6 | 75.0 | 75.0 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 | 78.4 | 78.4 | 78.4 |
| IV 4000 | 58.8 | 65.5 | 70.3 | 71.6 | 75.0 | 75.0 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 | 78.4 | 78.4 | 78.4 |
| IV 3500 | 58.8 | 65.5 | 70.3 | 71.6 | 75.0 | 75.0 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 | 78.4 | 78.4 | 78.4 |
| IV 3000 | 58.8 | 65.5 | 70.3 | 71.6 | 75.0 | 75.0 | 75.7 | 75.7 | 75.7 | 77.0 | 77.0 | 77.0 | 78.4 | 78.4 | 78.4 |
| IV 2500 | 60.1 | 66.9 | 71.6 | 73.0 | 77.0 | 77.0 | 77.7 | 77.7 | 77.7 | 79.1 | 79.1 | 79.1 | 80.4 | 80.4 | 80.4 |
| IV 2000 | 60.8 | 68.2 | 74.3 | 75.7 | 79.7 | 79.7 | 80.4 | 80.4 | 80.4 | 81.8 | 81.8 | 81.8 | 83.1 | 83.1 | 83.1 |
| IV 1800 | 61.5 | 68.9 | 75.0 | 76.4 | 80.4 | 80.4 | 81.1 | 81.1 | 81.1 | 82.4 | 82.4 | 82.4 | 83.8 | 83.8 | 83.8 |
| IV 1500 | 61.5 | 70.3 | 77.7 | 79.1 | 84.5 | 85.8 | 86.5 | 86.5 | 86.5 | 87.8 | 87.8 | 87.8 | 89.2 | 89.2 | 89.2 |
| IV 1200 | 61.5 | 71.0 | 78.4 | 79.7 | 85.8 | 87.2 | 87.8 | 87.8 | 87.8 | 89.9 | 89.9 | 89.9 | 91.2 | 91.2 | 91.2 |
| IV 1000 | 61.5 | 71.0 | 78.4 | 80.4 | 86.5 | 87.8 | 88.5 | 88.5 | 88.5 | 90.5 | 90.5 | 90.5 | 91.9 | 91.9 | 91.9 |
| IV 900 | 61.5 | 71.0 | 78.4 | 80.4 | 86.5 | 87.8 | 88.5 | 88.5 | 88.5 | 90.5 | 90.5 | 90.5 | 91.9 | 91.9 | 91.9 |
| IV 800 | 61.5 | 71.0 | 79.1 | 81.1 | 87.2 | 88.5 | 89.2 | 89.9 | 89.9 | 91.9 | 91.9 | 91.9 | 93.2 | 93.2 | 93.2 |
| IV 700 | 61.5 | 71.0 | 79.1 | 81.1 | 87.2 | 88.5 | 89.2 | 89.9 | 89.9 | 91.9 | 91.9 | 91.9 | 93.2 | 93.2 | 93.2 |
| IV 600 | 61.5 | 71.0 | 79.1 | 81.1 | 87.2 | 89.2 | 89.9 | 91.2 | 91.2 | 93.2 | 93.2 | 93.2 | 94.6 | 94.6 | 94.6 |
| IV 500 | 61.5 | 71.0 | 80.4 | 82.4 | 88.5 | 90.5 | 91.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.3 | 96.6 | 96.6 | 96.6 |
| IV 400 | 61.5 | 71.0 | 80.4 | 82.4 | 88.5 | 90.5 | 91.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.3 | 96.6 | 96.6 | 96.6 |
| IV 300 | 61.5 | 71.0 | 80.4 | 82.4 | 88.5 | 90.5 | 91.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.3 | 96.6 | 96.6 | 97.3 |
| IV 200 | 61.5 | 71.0 | 80.4 | 82.4 | 88.5 | 90.5 | 91.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.3 | 96.6 | 96.6 | 98.0 |
| IV 100 | 61.5 | 71.0 | 80.4 | 82.4 | 88.5 | 90.5 | 91.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.3 | 96.6 | 96.6 | 100.0 |
| IV 0 | 61.5 | 71.0 | 80.4 | 82.4 | 88.5 | 90.5 | 91.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.3 | 96.6 | 96.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 148

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 41.1 | 56.3 | 64.2 | 65.6 | 68.2 | 68.9 | 68.9 | 68.9 | 68.9 | 70.2 | 70.2 | 70.2 | 70.2 | 70.9 | 70.9 |
| ≥ 20000 | 44.4 | 59.6 | 68.2 | 70.9 | 73.5 | 74.2 | 74.2 | 74.2 | 74.2 | 75.5 | 75.5 | 75.5 | 75.5 | 76.2 | 76.2 |
| IV 18000 | 44.4 | 59.6 | 68.2 | 70.9 | 73.5 | 74.2 | 74.2 | 74.2 | 74.2 | 75.5 | 75.5 | 75.5 | 75.5 | 76.2 | 76.2 |
| IV 16000 | 44.4 | 59.6 | 68.2 | 70.9 | 73.5 | 74.2 | 74.2 | 74.2 | 74.2 | 75.5 | 75.5 | 75.5 | 75.5 | 76.2 | 76.2 |
| IV 14000 | 45.0 | 60.3 | 68.9 | 71.5 | 74.2 | 74.8 | 74.8 | 74.8 | 74.8 | 76.2 | 76.2 | 76.2 | 76.2 | 76.8 | 76.8 |
| IV 12000 | 45.7 | 61.6 | 70.2 | 72.9 | 75.5 | 76.2 | 76.2 | 76.2 | 76.2 | 77.5 | 77.5 | 77.5 | 77.5 | 78.2 | 78.2 |
| IV 10000 | 46.4 | 62.3 | 70.9 | 73.5 | 76.2 | 76.8 | 76.8 | 76.8 | 76.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.8 | 78.8 |
| IV 9000 | 47.0 | 62.9 | 71.5 | 74.2 | 76.8 | 77.5 | 77.5 | 77.5 | 77.5 | 78.8 | 78.8 | 78.8 | 78.8 | 79.5 | 79.5 |
| IV 8000 | 47.7 | 63.6 | 72.9 | 75.5 | 78.2 | 78.8 | 78.8 | 78.8 | 78.8 | 80.1 | 80.1 | 80.1 | 80.1 | 80.8 | 80.8 |
| IV 7000 | 47.7 | 63.6 | 72.9 | 75.5 | 78.2 | 78.8 | 78.8 | 78.8 | 78.8 | 80.1 | 80.1 | 80.1 | 80.1 | 80.8 | 80.8 |
| IV 6000 | 48.3 | 64.2 | 73.5 | 76.2 | 78.8 | 79.5 | 79.5 | 79.5 | 79.5 | 80.8 | 80.8 | 80.8 | 80.8 | 81.5 | 81.5 |
| IV 5000 | 48.3 | 64.9 | 74.2 | 76.8 | 79.5 | 80.1 | 80.1 | 80.1 | 80.1 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 |
| IV 4500 | 48.3 | 64.9 | 74.2 | 76.8 | 79.5 | 80.1 | 80.1 | 80.1 | 80.1 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 |
| IV 4000 | 48.3 | 64.9 | 74.2 | 76.8 | 79.5 | 80.1 | 80.1 | 80.1 | 80.1 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 |
| IV 3500 | 49.7 | 66.2 | 76.2 | 78.8 | 81.5 | 82.1 | 82.1 | 82.1 | 82.1 | 83.4 | 83.4 | 83.4 | 83.4 | 84.1 | 84.1 |
| IV 3000 | 50.3 | 67.6 | 77.5 | 80.1 | 82.8 | 83.4 | 83.4 | 83.4 | 83.4 | 84.8 | 84.8 | 84.8 | 84.8 | 85.4 | 85.4 |
| IV 2500 | 52.3 | 69.5 | 79.5 | 82.1 | 84.8 | 85.4 | 85.4 | 85.4 | 85.4 | 86.8 | 86.8 | 86.8 | 86.8 | 87.4 | 87.4 |
| IV 2000 | 53.0 | 70.9 | 81.5 | 84.1 | 86.8 | 87.4 | 87.4 | 87.4 | 87.4 | 88.7 | 88.7 | 88.7 | 88.7 | 89.4 | 89.4 |
| IV 1800 | 54.3 | 72.2 | 82.8 | 85.4 | 88.1 | 88.7 | 88.7 | 88.7 | 88.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.7 | 90.7 |
| IV 1500 | 55.0 | 73.5 | 84.8 | 87.4 | 90.1 | 90.7 | 90.7 | 90.7 | 90.7 | 92.1 | 92.1 | 92.1 | 92.1 | 92.7 | 92.7 |
| IV 1200 | 55.0 | 73.5 | 85.4 | 88.1 | 90.7 | 91.4 | 91.4 | 91.4 | 91.4 | 92.7 | 92.7 | 92.7 | 92.7 | 93.4 | 93.4 |
| IV 1000 | 57.0 | 75.5 | 88.1 | 90.7 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 900 | 57.0 | 75.5 | 88.1 | 90.7 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 800 | 57.0 | 75.5 | 88.1 | 90.7 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 700 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 600 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 500 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 400 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 300 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 200 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 100 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |
| IV 0 | 57.0 | 75.5 | 88.7 | 91.4 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS 151

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 51.0 | 60.9 | 67.6 | 70.2 | 72.9 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 74.2 | 74.2 | 74.2 | 74.8 |
| ≥ 20000 | 56.3 | 68.2 | 74.8 | 77.5 | 80.1 | 80.8 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 18000 | 56.3 | 68.2 | 74.8 | 77.5 | 80.1 | 80.8 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 16000 | 56.3 | 68.2 | 74.8 | 77.5 | 80.1 | 80.8 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 14000 | 56.3 | 68.2 | 74.8 | 77.5 | 80.1 | 80.8 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 12000 | 57.0 | 69.5 | 76.2 | 78.8 | 81.5 | 82.1 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 83.4 | 83.4 | 83.4 | 84.1 |
| IV 10000 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 9000 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 8000 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 7000 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 6000 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 5000 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 4500 | 57.6 | 70.9 | 77.5 | 80.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.4 |
| IV 4000 | 58.3 | 71.5 | 78.2 | 80.8 | 83.4 | 84.1 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.4 | 85.4 | 85.4 | 86.1 |
| IV 3500 | 59.6 | 72.9 | 79.5 | 82.1 | 84.8 | 85.4 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.8 | 86.8 | 86.8 | 87.4 |
| IV 3000 | 60.3 | 73.5 | 80.1 | 82.8 | 85.4 | 86.1 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.4 | 87.4 | 87.4 | 88.1 |
| IV 2500 | 60.9 | 74.2 | 80.8 | 83.4 | 86.1 | 86.8 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 88.1 | 88.1 | 88.1 | 88.7 |
| IV 2000 | 62.2 | 76.2 | 82.8 | 85.4 | 88.1 | 88.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 90.1 | 90.1 | 90.1 | 90.7 |
| IV 1800 | 62.9 | 76.8 | 83.4 | 86.1 | 88.7 | 89.4 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.7 | 90.7 | 90.7 | 91.4 |
| IV 1500 | 63.6 | 78.2 | 85.4 | 88.1 | 90.7 | 91.4 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.7 | 92.7 | 92.7 | 93.4 |
| IV 1200 | 63.6 | 78.2 | 85.4 | 88.1 | 90.7 | 91.4 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.7 | 92.7 | 92.7 | 93.4 |
| IV 1000 | 64.2 | 80.1 | 88.1 | 90.7 | 93.4 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 | 95.4 | 95.4 | 96.0 |
| IV 900 | 64.9 | 80.8 | 88.7 | 91.4 | 94.0 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 96.0 | 96.0 | 96.0 | 96.7 |
| IV 800 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.7 | 96.7 | 96.7 | 97.4 |
| IV 700 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 |
| IV 600 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 |
| IV 500 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 |
| IV 400 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 |
| IV 300 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.7 |
| IV 200 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.0 | 98.7 |
| IV 100 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.7 | 100.0 |
| IV 0 | 65.6 | 81.5 | 89.4 | 92.1 | 94.7 | 95.4 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 151

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 47.0 | 59.6 | 64.9 | 66.9 | 67.6 | 68.2 | 68.9 | 69.5 | 69.5 | 70.2 | 70.9 | 70.9 | 71.5 | 71.5 | 71.5 | 72.2 |
| ≥ 20000 | 56.3 | 69.5 | 74.8 | 76.8 | 78.2 | 78.8 | 79.5 | 80.1 | 80.1 | 80.8 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 18000 | 56.3 | 69.5 | 74.8 | 76.8 | 78.2 | 78.8 | 79.5 | 80.1 | 80.1 | 80.8 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 16000 | 56.3 | 69.5 | 74.8 | 76.8 | 78.2 | 78.8 | 79.5 | 80.1 | 80.1 | 80.8 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 14000 | 56.3 | 69.5 | 74.8 | 76.8 | 78.2 | 78.8 | 79.5 | 80.1 | 80.1 | 80.8 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.8 |
| IV 12000 | 57.6 | 71.5 | 76.8 | 78.8 | 80.1 | 80.8 | 81.5 | 82.1 | 82.1 | 82.8 | 83.4 | 83.4 | 84.1 | 84.1 | 84.1 | 84.8 |
| IV 10000 | 58.9 | 72.9 | 78.2 | 80.1 | 81.5 | 82.1 | 82.8 | 83.4 | 83.4 | 84.1 | 84.8 | 84.8 | 85.4 | 85.4 | 85.4 | 86.1 |
| IV 9000 | 58.9 | 72.9 | 78.2 | 80.1 | 81.5 | 82.1 | 82.8 | 83.4 | 83.4 | 84.1 | 84.8 | 84.8 | 85.4 | 85.4 | 85.4 | 86.1 |
| IV 8000 | 58.9 | 72.9 | 78.2 | 80.1 | 81.5 | 82.1 | 82.8 | 83.4 | 83.4 | 84.1 | 84.8 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 |
| IV 7000 | 58.9 | 72.9 | 78.2 | 80.1 | 81.5 | 82.1 | 82.8 | 83.4 | 83.4 | 84.1 | 84.8 | 84.8 | 85.4 | 86.1 | 86.1 | 86.8 |
| IV 6000 | 58.9 | 72.9 | 78.2 | 80.1 | 81.5 | 82.1 | 82.8 | 83.4 | 83.4 | 84.1 | 84.8 | 84.8 | 85.4 | 86.1 | 86.1 | 86.8 |
| IV 5000 | 59.6 | 73.5 | 78.8 | 80.8 | 82.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 |
| IV 4500 | 59.6 | 73.5 | 78.8 | 80.8 | 82.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 |
| IV 4000 | 59.6 | 73.5 | 78.8 | 80.8 | 82.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 |
| IV 3500 | 59.6 | 73.5 | 78.8 | 80.8 | 82.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 |
| IV 3000 | 59.6 | 73.5 | 78.8 | 80.8 | 82.1 | 82.8 | 83.4 | 84.1 | 84.1 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 |
| IV 2500 | 60.9 | 74.8 | 80.1 | 82.1 | 83.4 | 84.1 | 84.8 | 85.4 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 | 88.1 | 88.1 | 88.7 |
| IV 2000 | 60.9 | 76.2 | 81.5 | 83.4 | 84.8 | 85.4 | 86.1 | 86.8 | 86.8 | 87.4 | 88.1 | 88.1 | 88.7 | 89.4 | 89.4 | 90.1 |
| IV 1800 | 61.6 | 76.8 | 82.1 | 84.1 | 85.4 | 86.1 | 86.8 | 87.4 | 87.4 | 88.1 | 88.7 | 88.7 | 89.4 | 90.1 | 90.1 | 90.7 |
| IV 1500 | 63.6 | 78.8 | 84.1 | 86.1 | 87.4 | 88.1 | 88.7 | 89.4 | 89.4 | 90.1 | 90.7 | 90.7 | 91.4 | 92.1 | 92.1 | 92.7 |
| IV 1200 | 64.9 | 80.1 | 85.4 | 87.4 | 88.7 | 89.4 | 90.1 | 90.7 | 90.7 | 91.4 | 92.1 | 92.1 | 92.7 | 93.4 | 93.4 | 94.0 |
| IV 1000 | 65.6 | 80.8 | 86.1 | 88.1 | 90.1 | 90.7 | 91.4 | 92.1 | 92.1 | 92.7 | 93.4 | 93.4 | 94.0 | 94.7 | 94.7 | 95.4 |
| IV 900 | 65.6 | 80.8 | 86.1 | 88.1 | 90.1 | 90.7 | 91.4 | 92.1 | 92.1 | 92.7 | 93.4 | 93.4 | 94.0 | 94.7 | 94.7 | 95.4 |
| IV 800 | 65.6 | 81.5 | 86.8 | 88.7 | 90.7 | 91.4 | 92.1 | 92.7 | 92.7 | 93.4 | 94.7 | 95.4 | 96.0 | 96.7 | 96.7 | 97.4 |
| IV 700 | 65.6 | 81.5 | 86.8 | 88.7 | 90.7 | 91.4 | 92.1 | 92.7 | 92.7 | 93.4 | 94.7 | 95.4 | 96.0 | 96.7 | 96.7 | 97.4 |
| IV 600 | 65.6 | 82.1 | 87.4 | 89.4 | 91.4 | 92.1 | 92.7 | 93.4 | 93.4 | 94.7 | 95.4 | 96.0 | 96.7 | 97.4 | 97.4 | 98.0 |
| IV 500 | 65.6 | 82.1 | 87.4 | 89.4 | 92.1 | 92.7 | 93.4 | 94.7 | 95.4 | 97.4 | 98.0 | 98.0 | 98.7 | 99.3 | 99.3 | 100.0 |
| IV 400 | 65.6 | 82.1 | 87.4 | 89.4 | 92.1 | 92.7 | 93.4 | 95.4 | 95.4 | 97.4 | 98.0 | 98.0 | 98.7 | 99.3 | 99.3 | 100.0 |
| IV 300 | 65.6 | 82.1 | 87.4 | 89.4 | 92.1 | 92.7 | 93.4 | 95.4 | 95.4 | 97.4 | 98.0 | 98.0 | 98.7 | 99.3 | 99.3 | 100.0 |
| IV 200 | 65.6 | 82.1 | 87.4 | 89.4 | 92.1 | 92.7 | 93.4 | 95.4 | 95.4 | 97.4 | 98.0 | 98.0 | 98.7 | 99.3 | 99.3 | 100.0 |
| IV 100 | 65.6 | 82.1 | 87.4 | 89.4 | 92.1 | 92.7 | 93.4 | 95.4 | 95.4 | 97.4 | 98.0 | 98.0 | 98.7 | 99.3 | 99.3 | 100.0 |
| IV 0 | 65.6 | 82.1 | 87.4 | 89.4 | 92.1 | 92.7 | 93.4 | 95.4 | 95.4 | 97.4 | 98.0 | 98.0 | 98.7 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 151

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSDEC
MONTH19
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 27.3 | 52.7 | 61.8 | 61.8 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 67.3 | 67.3 | 67.3 | 69.1 | 69.1 | 69.1 |
| ≥ 20000 | 28.2 | 55.5 | 64.6 | 64.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 70.0 | 70.0 | 70.0 | 71.8 | 71.8 | 71.8 |
| IV 18000 | 28.2 | 55.5 | 64.6 | 64.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 70.0 | 70.0 | 70.0 | 71.8 | 71.8 | 71.8 |
| IV 16000 | 28.2 | 55.5 | 64.6 | 64.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 70.0 | 70.0 | 70.0 | 71.8 | 71.8 | 71.8 |
| IV 14000 | 28.2 | 55.5 | 64.6 | 64.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 70.0 | 70.0 | 70.0 | 71.8 | 71.8 | 71.8 |
| IV 12000 | 29.1 | 57.3 | 66.4 | 66.4 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.8 | 71.8 | 71.8 | 73.6 | 73.6 | 73.6 |
| IV 10000 | 30.0 | 58.2 | 67.3 | 67.3 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 72.7 | 72.7 | 72.7 | 74.6 | 74.6 | 74.6 |
| IV 9000 | 30.0 | 58.2 | 67.3 | 67.3 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 72.7 | 72.7 | 72.7 | 74.6 | 74.6 | 74.6 |
| IV 8000 | 30.0 | 58.2 | 67.3 | 68.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.6 | 73.6 | 73.6 | 75.5 | 75.5 | 75.5 |
| IV 7000 | 30.0 | 58.2 | 67.3 | 68.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.6 | 73.6 | 73.6 | 75.5 | 75.5 | 75.5 |
| IV 6000 | 30.0 | 58.2 | 67.3 | 68.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.6 | 73.6 | 73.6 | 75.5 | 75.5 | 75.5 |
| IV 5000 | 30.0 | 58.2 | 67.3 | 68.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.6 | 73.6 | 73.6 | 75.5 | 75.5 | 75.5 |
| IV 4500 | 30.0 | 58.2 | 67.3 | 68.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 73.6 | 73.6 | 73.6 | 75.5 | 75.5 | 75.5 |
| IV 4000 | 30.9 | 59.1 | 68.2 | 69.1 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 74.6 | 74.6 | 74.6 | 76.4 | 76.4 | 76.4 |
| IV 3500 | 30.9 | 59.1 | 68.2 | 69.1 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 74.6 | 74.6 | 74.6 | 76.4 | 76.4 | 76.4 |
| IV 3000 | 30.9 | 59.1 | 68.2 | 69.1 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 74.6 | 74.6 | 74.6 | 76.4 | 76.4 | 76.4 |
| IV 2500 | 32.7 | 60.9 | 70.0 | 70.9 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 76.4 | 76.4 | 76.4 | 78.2 | 78.2 | 78.2 |
| IV 2000 | 33.6 | 64.6 | 73.6 | 74.6 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 80.0 | 80.0 | 80.0 | 81.8 | 81.8 | 81.8 |
| IV 1800 | 33.6 | 64.6 | 73.6 | 74.6 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 80.0 | 80.0 | 80.0 | 81.8 | 81.8 | 81.8 |
| IV 1500 | 34.6 | 69.1 | 78.2 | 79.1 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 84.6 | 84.6 | 84.6 | 86.4 | 86.4 | 86.4 |
| IV 1200 | 34.6 | 70.0 | 79.1 | 80.0 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 85.5 | 85.5 | 85.5 | 87.3 | 87.3 | 87.3 |
| IV 1000 | 35.5 | 71.8 | 81.8 | 82.7 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 88.2 | 88.2 | 88.2 | 90.0 | 90.0 | 90.0 |
| IV 900 | 36.4 | 72.7 | 82.7 | 83.6 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 89.1 | 89.1 | 89.1 | 90.9 | 90.9 | 90.9 |
| IV 800 | 36.4 | 73.6 | 84.6 | 85.5 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 91.8 | 91.8 | 91.8 | 93.6 | 93.6 | 93.6 |
| IV 700 | 36.4 | 73.6 | 84.6 | 85.5 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 91.8 | 91.8 | 91.8 | 93.6 | 93.6 | 93.6 |
| IV 600 | 37.3 | 74.6 | 85.5 | 86.4 | 90.9 | 90.9 | 90.9 | 90.9 | 91.8 | 92.7 | 92.7 | 92.7 | 94.6 | 94.6 | 94.6 |
| IV 500 | 37.3 | 74.6 | 85.5 | 86.4 | 90.9 | 90.9 | 90.9 | 91.8 | 91.8 | 93.6 | 93.6 | 93.6 | 95.5 | 95.5 | 95.5 |
| IV 400 | 37.3 | 75.5 | 86.4 | 87.3 | 91.8 | 91.8 | 91.8 | 92.7 | 92.7 | 94.6 | 94.6 | 94.6 | 96.4 | 96.4 | 96.4 |
| IV 300 | 37.3 | 75.5 | 86.4 | 87.3 | 91.8 | 91.8 | 91.8 | 92.7 | 92.7 | 94.6 | 94.6 | 94.6 | 96.4 | 96.4 | 96.4 |
| IV 200 | 37.3 | 75.5 | 86.4 | 87.3 | 91.8 | 91.8 | 91.8 | 92.7 | 92.7 | 94.6 | 94.6 | 94.6 | 96.4 | 96.4 | 96.4 |
| IV 100 | 37.3 | 75.5 | 86.4 | 87.3 | 91.8 | 91.8 | 91.8 | 92.7 | 92.7 | 94.6 | 94.6 | 94.6 | 96.4 | 96.4 | 96.4 |
| IV 0 | 37.3 | 75.5 | 86.4 | 87.3 | 91.8 | 91.8 | 91.8 | 92.7 | 92.7 | 94.6 | 94.6 | 94.6 | 96.4 | 96.4 | 96.4 |

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73,77
YEARSDEC
MONTH22
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | | 25.0 | 25.0 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| ≥ 20000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 18000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 16000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 14000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 12000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 10000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 9000 | | 29.2 | 29.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| IV 8000 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 7000 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 6000 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 5000 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 4500 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 4000 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 3500 | 4.2 | 37.5 | 37.5 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 3000 | 4.2 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2500 | 4.2 | 41.7 | 41.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 2000 | 4.2 | 45.8 | 45.8 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| IV 1800 | 4.2 | 45.8 | 45.8 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| IV 1500 | 8.3 | 58.3 | 58.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| IV 1200 | 8.3 | 62.5 | 62.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| IV 1000 | 8.3 | 62.5 | 66.7 | 70.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 900 | 8.3 | 62.5 | 66.7 | 70.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| IV 800 | 8.3 | 66.7 | 70.8 | 75.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 700 | 8.3 | 66.7 | 70.8 | 75.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 600 | 8.3 | 66.7 | 70.8 | 75.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 500 | 8.3 | 66.7 | 70.8 | 75.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| IV 400 | 8.3 | 66.7 | 70.8 | 75.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| IV 300 | 8.3 | 66.7 | 70.8 | 75.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| IV 200 | 8.3 | 66.7 | 70.8 | 75.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| IV 100 | 8.3 | 66.7 | 70.8 | 75.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 91.7 | 91.7 | 91.7 | 91.7 | 95.8 | 95.8 | 95.8 |
| IV 0 | 8.3 | 66.7 | 70.8 | 75.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 91.7 | 91.7 | 91.7 | 91.7 | 95.8 | 95.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 24

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 42.8 | 56.5 | 62.7 | 64.4 | 66.8 | 67.2 | 67.5 | 67.6 | 67.6 | 68.4 | 68.6 | 68.6 | 69.4 | 69.5 | 69.5 | 69.9 |
| ≥ 20000 | 47.6 | 62.2 | 68.7 | 70.6 | 73.2 | 73.6 | 74.0 | 74.1 | 74.1 | 75.1 | 75.2 | 75.2 | 76.0 | 76.2 | 76.2 | 76.6 |
| IV 18000 | 47.6 | 62.2 | 68.7 | 70.6 | 73.2 | 73.6 | 74.0 | 74.1 | 74.1 | 75.1 | 75.2 | 75.2 | 76.0 | 76.2 | 76.2 | 76.6 |
| IV 16000 | 47.6 | 62.2 | 68.7 | 70.6 | 73.2 | 73.6 | 74.0 | 74.1 | 74.1 | 75.1 | 75.2 | 75.2 | 76.0 | 76.2 | 76.2 | 76.6 |
| IV 14000 | 47.7 | 62.5 | 69.0 | 70.9 | 73.4 | 73.9 | 74.3 | 74.4 | 74.4 | 75.3 | 75.5 | 75.5 | 76.3 | 76.4 | 76.4 | 76.8 |
| IV 12000 | 48.5 | 63.8 | 70.3 | 72.2 | 74.8 | 75.2 | 75.6 | 75.8 | 75.8 | 76.7 | 76.8 | 76.8 | 77.6 | 77.8 | 77.8 | 78.2 |
| IV 10000 | 49.5 | 64.9 | 71.4 | 73.3 | 75.9 | 76.3 | 76.7 | 76.8 | 76.8 | 77.8 | 77.9 | 77.9 | 78.7 | 78.9 | 78.9 | 79.3 |
| IV 9000 | 49.6 | 65.0 | 71.5 | 73.4 | 76.0 | 76.4 | 76.8 | 77.0 | 77.0 | 77.9 | 78.1 | 78.1 | 78.9 | 79.0 | 79.0 | 79.4 |
| IV 8000 | 50.0 | 65.6 | 72.2 | 74.3 | 76.8 | 77.2 | 77.6 | 77.8 | 77.8 | 78.7 | 78.9 | 78.9 | 79.7 | 80.0 | 80.0 | 80.4 |
| IV 7000 | 50.0 | 65.6 | 72.2 | 74.3 | 76.8 | 77.2 | 77.6 | 77.8 | 77.8 | 78.7 | 78.9 | 78.9 | 79.7 | 80.0 | 80.0 | 80.4 |
| IV 6000 | 50.1 | 65.7 | 72.4 | 74.4 | 77.0 | 77.4 | 77.8 | 77.9 | 77.9 | 78.9 | 79.0 | 79.0 | 79.8 | 80.1 | 80.1 | 80.5 |
| IV 5000 | 50.4 | 66.1 | 72.8 | 74.8 | 77.5 | 77.9 | 78.3 | 78.5 | 78.5 | 79.4 | 79.5 | 79.5 | 80.4 | 80.6 | 80.6 | 81.0 |
| IV 4500 | 50.4 | 66.1 | 72.8 | 74.8 | 77.5 | 77.9 | 78.3 | 78.5 | 78.5 | 79.4 | 79.5 | 79.5 | 80.4 | 80.6 | 80.6 | 81.0 |
| IV 4000 | 50.7 | 66.4 | 73.0 | 75.1 | 77.8 | 78.2 | 78.6 | 78.7 | 78.7 | 79.7 | 79.8 | 79.8 | 80.6 | 80.9 | 80.9 | 81.3 |
| IV 3500 | 51.2 | 66.9 | 73.7 | 75.8 | 78.5 | 78.9 | 79.3 | 79.4 | 79.4 | 80.4 | 80.5 | 80.5 | 81.3 | 81.6 | 81.6 | 82.0 |
| IV 3000 | 51.5 | 67.5 | 74.3 | 76.3 | 79.0 | 79.4 | 79.8 | 80.0 | 80.0 | 80.9 | 81.0 | 81.0 | 81.8 | 82.1 | 82.1 | 82.5 |
| IV 2500 | 52.9 | 68.8 | 75.0 | 77.6 | 80.5 | 80.9 | 81.3 | 81.4 | 81.4 | 82.4 | 82.5 | 82.5 | 83.3 | 83.6 | 83.6 | 84.0 |
| IV 2000 | 53.5 | 70.7 | 77.9 | 80.0 | 82.8 | 83.2 | 83.6 | 83.7 | 83.7 | 84.7 | 84.8 | 84.8 | 85.6 | 85.9 | 85.9 | 86.3 |
| IV 1800 | 54.2 | 71.4 | 78.6 | 80.6 | 83.5 | 83.9 | 84.3 | 84.4 | 84.4 | 85.4 | 85.5 | 85.5 | 86.3 | 86.6 | 86.6 | 87.0 |
| IV 1500 | 55.2 | 73.7 | 81.4 | 83.5 | 86.6 | 87.3 | 87.7 | 87.8 | 87.8 | 88.8 | 88.9 | 88.9 | 89.7 | 90.0 | 90.1 | 90.5 |
| IV 1200 | 55.4 | 74.4 | 82.3 | 84.3 | 87.5 | 88.2 | 88.6 | 88.8 | 88.8 | 89.8 | 90.0 | 90.0 | 90.8 | 91.1 | 91.2 | 91.6 |
| IV 1000 | 56.2 | 75.6 | 84.0 | 86.2 | 89.8 | 90.5 | 90.9 | 91.1 | 91.1 | 92.1 | 92.3 | 92.3 | 93.1 | 93.4 | 93.5 | 93.9 |
| IV 900 | 56.5 | 75.9 | 84.3 | 86.5 | 90.1 | 90.8 | 91.2 | 91.3 | 91.3 | 92.4 | 92.6 | 92.6 | 93.4 | 93.6 | 93.8 | 94.2 |
| IV 800 | 56.6 | 76.4 | 85.1 | 87.3 | 90.9 | 91.6 | 92.0 | 92.4 | 92.4 | 93.9 | 94.0 | 94.0 | 94.9 | 95.1 | 95.3 | 95.7 |
| IV 700 | 56.6 | 76.4 | 85.2 | 87.4 | 91.1 | 91.7 | 92.3 | 92.8 | 92.8 | 94.3 | 94.4 | 94.4 | 95.3 | 95.5 | 95.7 | 96.1 |
| IV 600 | 56.8 | 76.7 | 85.5 | 87.7 | 91.3 | 92.1 | 92.7 | 93.4 | 93.4 | 94.9 | 95.0 | 95.0 | 95.8 | 96.1 | 96.2 | 96.6 |
| IV 500 | 56.8 | 76.7 | 85.8 | 87.9 | 91.9 | 92.7 | 93.2 | 94.3 | 94.3 | 96.1 | 96.2 | 96.2 | 97.2 | 97.4 | 97.6 | 98.0 |
| IV 400 | 56.8 | 76.8 | 85.9 | 88.1 | 92.0 | 92.8 | 93.4 | 94.4 | 94.4 | 96.2 | 96.3 | 96.3 | 97.3 | 97.6 | 97.7 | 98.1 |
| IV 300 | 56.8 | 76.8 | 85.9 | 88.1 | 92.0 | 92.8 | 93.4 | 94.4 | 94.4 | 96.3 | 96.5 | 96.5 | 97.4 | 97.7 | 98.0 | 98.4 |
| IV 200 | 56.8 | 76.8 | 85.9 | 88.1 | 92.0 | 92.8 | 93.4 | 94.4 | 94.4 | 96.3 | 96.5 | 96.5 | 97.6 | 97.8 | 98.4 | 98.8 |
| IV 100 | 56.8 | 76.8 | 85.9 | 88.1 | 92.0 | 92.8 | 93.4 | 94.4 | 94.4 | 96.3 | 96.5 | 96.5 | 97.6 | 98.0 | 98.6 | 99.7 |
| IV 0 | 56.8 | 76.8 | 85.9 | 88.1 | 92.0 | 92.8 | 93.4 | 94.4 | 94.4 | 96.3 | 96.5 | 96.5 | 97.6 | 98.0 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 738

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93115
STATIONIMPERIAL BEACH, CALIFORNIA
STATION NAME73-77
YEARSALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | |
| NO CEILING | 33.8 | 48.7 | 52.7 | 54.4 | 55.9 | 56.2 | 56.8 | 57.0 | 57.0 | 57.3 | 57.4 | 57.4 | 57.5 | 57.6 | 57.6 | 57.7 |
| ≥ 20000 | 35.8 | 51.4 | 55.6 | 57.5 | 59.0 | 59.3 | 60.0 | 60.3 | 60.3 | 60.6 | 60.7 | 60.7 | 60.9 | 60.9 | 61.0 | 61.1 |
| IV 18000 | 35.8 | 51.4 | 55.7 | 57.6 | 59.1 | 59.4 | 60.1 | 60.4 | 60.5 | 60.8 | 60.8 | 60.8 | 61.0 | 61.0 | 61.1 | 61.2 |
| IV 16000 | 35.8 | 51.5 | 55.7 | 57.6 | 59.1 | 59.5 | 60.1 | 60.5 | 60.5 | 60.8 | 60.9 | 60.9 | 61.0 | 61.1 | 61.1 | 61.2 |
| IV 14000 | 36.2 | 52.0 | 56.4 | 58.2 | 59.8 | 60.1 | 60.8 | 61.2 | 61.2 | 61.9 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.9 |
| IV 12000 | 36.6 | 52.8 | 57.2 | 59.1 | 60.7 | 61.0 | 61.7 | 62.0 | 62.1 | 62.4 | 62.5 | 62.5 | 62.6 | 62.7 | 62.7 | 62.8 |
| IV 10000 | 37.0 | 53.5 | 57.9 | 59.8 | 61.5 | 61.9 | 62.6 | 62.9 | 62.9 | 63.2 | 63.3 | 63.3 | 63.5 | 63.5 | 63.6 | 63.7 |
| IV 9000 | 37.1 | 53.5 | 57.9 | 59.9 | 61.5 | 61.9 | 62.6 | 62.9 | 62.9 | 63.3 | 63.4 | 63.4 | 63.5 | 63.5 | 63.6 | 63.7 |
| IV 8000 | 37.7 | 54.3 | 58.8 | 60.7 | 62.4 | 62.8 | 63.5 | 63.8 | 63.8 | 64.2 | 64.3 | 64.3 | 64.4 | 64.5 | 64.5 | 64.6 |
| IV 7000 | 37.8 | 54.4 | 58.9 | 60.9 | 62.5 | 62.9 | 63.6 | 64.0 | 64.0 | 64.3 | 64.4 | 64.4 | 64.6 | 64.6 | 64.7 | 64.8 |
| IV 6000 | 38.0 | 54.7 | 59.2 | 61.1 | 62.8 | 63.2 | 63.9 | 64.2 | 64.2 | 64.6 | 64.7 | 64.7 | 64.8 | 64.9 | 65.0 | 65.0 |
| IV 5000 | 38.3 | 55.1 | 59.7 | 61.6 | 63.3 | 63.7 | 64.4 | 64.8 | 64.8 | 65.1 | 65.2 | 65.2 | 65.4 | 65.4 | 65.5 | 65.6 |
| IV 4500 | 38.5 | 55.4 | 59.9 | 61.9 | 63.6 | 64.0 | 64.6 | 65.0 | 65.0 | 65.4 | 65.5 | 65.5 | 65.6 | 65.7 | 65.7 | 65.8 |
| IV 4000 | 39.2 | 56.2 | 60.7 | 62.7 | 64.4 | 64.8 | 65.4 | 65.8 | 65.8 | 66.1 | 66.2 | 66.2 | 66.4 | 66.4 | 66.5 | 66.6 |
| IV 3500 | 40.0 | 57.0 | 61.6 | 63.5 | 65.2 | 65.6 | 66.3 | 66.7 | 66.7 | 67.0 | 67.1 | 67.1 | 67.3 | 67.3 | 67.4 | 67.5 |
| IV 3000 | 41.5 | 58.7 | 63.2 | 65.2 | 66.9 | 67.3 | 68.0 | 68.4 | 68.4 | 68.7 | 68.8 | 68.8 | 69.0 | 69.0 | 69.1 | 69.2 |
| IV 2500 | 43.9 | 61.4 | 66.1 | 68.1 | 69.8 | 70.2 | 70.9 | 71.3 | 71.3 | 71.6 | 71.7 | 71.7 | 71.9 | 71.9 | 72.0 | 72.1 |
| IV 2000 | 46.6 | 65.0 | 69.8 | 71.8 | 73.6 | 74.0 | 74.7 | 75.1 | 75.1 | 75.5 | 75.6 | 75.6 | 75.7 | 75.8 | 75.8 | 75.9 |
| IV 1800 | 46.9 | 65.6 | 70.5 | 72.5 | 74.3 | 74.7 | 75.4 | 75.8 | 75.8 | 76.1 | 76.2 | 76.2 | 76.4 | 76.4 | 76.5 | 76.6 |
| IV 1500 | 49.7 | 70.2 | 75.8 | 78.0 | 79.9 | 80.3 | 81.1 | 81.5 | 81.5 | 81.9 | 82.0 | 82.0 | 82.2 | 82.2 | 82.3 | 82.4 |
| IV 1200 | 50.6 | 72.2 | 78.4 | 80.8 | 82.8 | 83.3 | 84.1 | 84.5 | 84.6 | 85.0 | 85.1 | 85.1 | 85.2 | 85.3 | 85.4 | 85.5 |
| IV 1000 | 51.6 | 75.4 | 82.7 | 85.6 | 88.2 | 88.8 | 89.8 | 90.3 | 90.3 | 90.8 | 90.9 | 90.9 | 91.0 | 91.1 | 91.2 | 91.3 |
| IV 900 | 51.7 | 75.7 | 83.2 | 86.2 | 88.8 | 89.5 | 90.5 | 91.0 | 91.0 | 91.5 | 91.6 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0 |
| IV 800 | 51.8 | 76.3 | 84.2 | 87.4 | 90.4 | 91.3 | 92.5 | 93.0 | 93.1 | 93.6 | 93.7 | 93.7 | 93.9 | 93.9 | 94.0 | 94.1 |
| IV 700 | 51.9 | 76.5 | 84.7 | 88.0 | 91.3 | 92.2 | 93.6 | 94.2 | 94.2 | 94.8 | 94.9 | 94.9 | 95.1 | 95.1 | 95.2 | 95.3 |
| IV 600 | 51.9 | 76.6 | 84.9 | 88.3 | 91.8 | 93.0 | 94.4 | 95.1 | 95.1 | 95.7 | 95.8 | 95.8 | 96.0 | 96.0 | 96.1 | 96.2 |
| IV 500 | 51.9 | 76.7 | 85.2 | 88.7 | 92.4 | 93.7 | 95.3 | 96.1 | 96.2 | 96.8 | 97.0 | 97.0 | 97.3 | 97.3 | 97.4 | 97.5 |
| IV 400 | 51.9 | 76.7 | 85.2 | 88.8 | 92.6 | 94.0 | 95.7 | 96.6 | 96.6 | 97.4 | 97.6 | 97.6 | 97.9 | 97.9 | 98.1 | 98.1 |
| IV 300 | 51.9 | 76.7 | 85.2 | 88.8 | 92.6 | 94.1 | 95.8 | 96.9 | 97.0 | 97.8 | 98.0 | 98.0 | 98.5 | 98.6 | 98.7 | 98.8 |
| IV 200 | 51.9 | 76.7 | 85.2 | 88.8 | 92.6 | 94.1 | 95.8 | 96.9 | 97.0 | 97.9 | 98.2 | 98.2 | 98.9 | 99.0 | 99.2 | 99.3 |
| IV 100 | 51.9 | 76.7 | 85.3 | 88.9 | 92.7 | 94.1 | 95.9 | 96.9 | 97.0 | 97.9 | 98.2 | 98.2 | 99.0 | 99.1 | 99.6 | 99.8 |
| IV 0 | 51.9 | 76.7 | 85.3 | 88.9 | 92.7 | 94.1 | 95.9 | 96.9 | 97.0 | 97.9 | 98.3 | 98.3 | 99.1 | 99.2 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 8754

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

d

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|-----|-----|-----|------|------|------|------|------|------|--------------------------------|-------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JAN | 01 | | | | | 25.0 | 25.0 | | 25.0 | | | 25.0 | 6.5 | 4 |
| | 04 | 20.0 | | | | 20.0 | 20.0 | | 20.0 | 20.0 | | | 4.8 | 5 |
| | 07 | 24.3 | 7.9 | 9.9 | 6.6 | 3.3 | 3.3 | 4.6 | 4.6 | 9.2 | 5.3 | 21.1 | 4.7 | 152 |
| | 10 | 32.3 | 3.9 | 9.7 | 3.9 | 3.2 | 3.9 | 5.2 | 6.5 | 8.4 | 6.5 | 16.8 | 4.4 | 155 |
| | 13 | 27.1 | 7.1 | 5.8 | 7.1 | 9.0 | 3.9 | 5.2 | 5.2 | 5.8 | 5.8 | 18.1 | 4.4 | 155 |
| | 16 | 27.0 | 7.2 | 7.2 | 7.2 | 4.6 | 4.6 | 3.3 | 8.6 | 8.6 | 6.6 | 15.1 | 4.4 | 152 |
| | 19 | 30.2 | 6.9 | 6.0 | 7.8 | 7.8 | 3.4 | 4.3 | 6.0 | 6.0 | 2.6 | 19.0 | 4.2 | 116 |
| | 22 | 26.7 | 6.7 | 6.7 | | | | 13.3 | 6.7 | 6.7 | 13.3 | 20.0 | 5.2 | 15 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 23.5 | 5.0 | 5.7 | 4.1 | 9.1 | 8.0 | 4.5 | 10.3 | 8.1 | 5.0 | 16.9 | 4.8 | 754 |

NAVWEASERVCOM

5704 SKY COVER JAN 68

5704 SKY COVER JAN 68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|------|------|------|------|-----|-----|------|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| FEB | 01 | | | | | | | | | | | | | |
| | 04 | 100.0 | | | | | | | | | | | .0 | 1 |
| | 07 | 27.2 | 3.7 | 6.6 | 4.4 | 6.6 | .7 | 2.9 | 7.4 | 10.3 | 5.9 | 24.3 | 5.1 | 136 |
| | 10 | 24.8 | 7.1 | 6.4 | 6.4 | 2.8 | 1.4 | 2.8 | 9.9 | 9.2 | 5.0 | 24.1 | 5.0 | 141 |
| | 13 | 22.7 | 5.7 | 9.9 | 6.4 | 7.1 | 5.7 | 5.0 | 6.4 | 5.7 | 2.8 | 22.7 | 4.7 | 141 |
| | 16 | 23.5 | 3.7 | 4.4 | 6.6 | 7.4 | 3.7 | 5.9 | 7.4 | 7.4 | 5.1 | 25.0 | 5.2 | 136 |
| | 19 | 25.2 | 6.5 | 8.4 | 8.4 | 6.5 | 6.5 | 4.7 | 9.3 | 3.7 | 2.8 | 17.8 | 4.3 | 107 |
| | 22 | 20.0 | | 20.0 | 20.0 | 10.0 | 10.0 | | | 10.0 | | 10.0 | 3.7 | 10 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 34.8 | 3.8 | 8.0 | 7.5 | 5.8 | 4.0 | 3.0 | 5.8 | 6.6 | 3.1 | 17.7 | 4.0 | 672 |

NAVWEASERVCOM

d

MAR
MONTA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|-----|------|------|-----|------|-----|------|------|-----|--------------------------------|-------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAR | 01 | | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | | |
| | 07 | 22.5 | 4.0 | 5.3 | 1.3 | 3.3 | 2.0 | 4.6 | 6.6 | 13.2 | 7.9 | 29.1 | 5.8 | 151 |
| | 10 | 21.3 | 5.2 | 5.2 | 5.8 | 4.5 | 6.5 | 4.5 | 9.7 | 9.7 | 6.5 | 21.3 | 5.3 | 155 |
| | 13 | 21.9 | 5.8 | 11.0 | 6.5 | 6.5 | 1.9 | 5.2 | 7.7 | 8.4 | 9.0 | 16.1 | 4.8 | 155 |
| | 16 | 21.2 | 8.2 | 5.5 | 6.8 | 6.2 | 2.7 | 6.2 | 11.0 | 7.5 | 8.2 | 15.8 | 4.9 | 146 |
| | 19 | 22.8 | 7.3 | 6.5 | 5.7 | 5.7 | 2.4 | 6.5 | 8.1 | 12.2 | 5.7 | 17.1 | 4.9 | 123 |
| | 22 | | | | 14.3 | | 14.3 | | 14.3 | | | 57.1 | 7.9 | 7 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.3 | 5.1 | 5.6 | 6.7 | 4.4 | 5.0 | 4.5 | 9.7 | 8.5 | 6.2 | 26.1 | 5.6 | 737 |

NAYWEASERVCOM

5704 SKY COVER JAN 68

5704 SKY COVER JAN 68

APR
MONTH

DATA

5704 SKY COVER JAN 68

NAVWEASERVCOM

SKY COVER

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|------|-----|-----|-----|-----|-----|------|------|-------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAY | 01 | | | | | | | | | | | 100.0 | 10.0 | 2 |
| | 04 | | | | | | | | | | | 100.0 | 10.0 | 2 |
| | 07 | 5.2 | 1.9 | .6 | 1.9 | 1.9 | .6 | 2.6 | 3.9 | 5.2 | 6.5 | 69.5 | 8.6 | 154 |
| | 10 | 14.9 | 5.2 | 3.2 | 5.2 | 3.9 | 7.1 | 1.9 | 5.2 | 7.1 | 4.5 | 41.6 | 6.4 | 154 |
| | 13 | 20.8 | 6.5 | 10.4 | 6.5 | 7.8 | 3.9 | 5.8 | 5.8 | 5.8 | 5.2 | 21.4 | 4.8 | 154 |
| | 16 | 11.8 | 4.7 | 7.9 | 8.7 | 4.7 | 4.7 | 5.5 | 7.1 | 14.2 | 7.1 | 23.6 | 5.9 | 127 |
| | 19 | 8.6 | 1.7 | 5.2 | 4.3 | 2.6 | 3.4 | 6.9 | 4.3 | 10.3 | 12.9 | 39.7 | 7.2 | 116 |
| | 22 | 10.0 | | | | 5.0 | 5.0 | | 5.0 | | | 75.0 | 8.3 | 20 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 8.9 | 2.5 | 3.4 | 3.3 | 3.2 | 3.1 | 2.8 | 3.9 | 5.3 | 4.5 | 58.9 | 7.7 | 729 |

5704 SKY COVER JAN 68

SKY COVER

93115 IMPERIAL BEACH, CALIFORNIA
STATION STATION NAME

73-77

PERIOD

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|-----|------|-----|-----|-----|------|-----|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 01 | | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | | |
| | 07 | 8.0 | 2.7 | 2.7 | | 3.3 | .7 | | 2.0 | 3.3 | 5.3 | 72.0 | 8.3 | 150 |
| | 10 | 20.7 | 6.0 | 3.3 | 6.0 | 6.7 | 6.0 | 4.0 | 2.7 | 6.0 | 4.7 | 34.0 | 5.6 | 150 |
| | 13 | 24.0 | 6.7 | 7.3 | 11.3 | 8.7 | 2.7 | 3.3 | 4.7 | 7.3 | 4.7 | 19.3 | 4.5 | 150 |
| | 16 | 22.7 | 3.9 | 9.4 | 9.4 | 6.3 | 5.5 | 5.5 | 2.3 | 7.8 | 4.7 | 22.7 | 4.8 | 128 |
| | 19 | 20.3 | 5.1 | 8.5 | 4.2 | 4.2 | 3.4 | 1.7 | 3.4 | 6.8 | 3.4 | 39.0 | 5.8 | 118 |
| | 22 | 8.1 | | 5.4 | 8.1 | 5.4 | 5.4 | | 10.8 | | | 56.8 | 7.3 | 37 |
| | | | | | | | | | | | | | | |
| TOTALS | | 17.3 | 4.1 | 6.1 | 6.5 | 5.8 | 4.0 | 2.4 | 4.3 | 5.2 | 3.8 | 40.6 | 6.1 | 733 |

NAVWEASERVCOM

5704 SKY COVER JAN 68

2

SKY COVER

d

93115 STATION IMPERIAL BEACH, CALIFORNIA 73-77 PERIOD JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000

5704 SKY COVER JAN 68

0000

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|------|------|------|-----|-----|-----|-----|------|-----|-------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUL | 01 | | | | | | | | | | | 100.0 | 10.0 | 1 |
| | 04 | | | | | | | | | | | | | |
| | 07 | 1.3 | 1.3 | 1.9 | 1.3 | | 3.2 | .6 | 1.9 | 4.5 | 4.5 | 79.2 | 9.1 | 154 |
| | 10 | 16.9 | 6.5 | 10.4 | 6.5 | 3.9 | 5.2 | 2.6 | 4.5 | 4.5 | 5.2 | 33.8 | 5.6 | 154 |
| | 13 | 26.6 | 9.7 | 7.8 | 9.1 | 5.2 | 2.6 | 4.5 | 8.4 | 6.5 | 2.6 | 16.9 | 4.2 | 154 |
| | 16 | 22.0 | 11.9 | 10.2 | 6.8 | 3.4 | 7.6 | 5.1 | 5.9 | 7.6 | 5.9 | 13.6 | 4.3 | 118 |
| | 19 | 22.5 | 3.6 | 14.4 | 5.4 | 6.3 | 2.7 | 2.7 | 2.7 | 10.8 | 3.6 | 25.2 | 4.9 | 111 |
| | 22 | 21.1 | 10.5 | 5.3 | 10.5 | 2.6 | 7.9 | 5.3 | 2.6 | 10.5 | | 23.7 | 4.7 | 38 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 15.8 | 6.2 | 7.1 | 5.7 | 3.1 | 4.2 | 3.0 | 3.7 | 6.3 | 3.1 | 41.8 | 6.1 | 730 |

圖書刊例

AUG
MONTH

5704 SKY COVER JAN 68

附錄

NAVWEASERVCOM

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|------|-----|-------|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| SEP | 01 | | | | 100.0 | | | | | | | | 3.0 | 1 |
| | 04 | 50.0 | | | | | | | | | | 50.0 | 5.0 | 2 |
| | 07 | 12.2 | 3.4 | 2.7 | | 4.1 | .7 | .7 | .7 | 2.7 | 7.5 | 65.3 | 7.8 | 147 |
| | 10 | 23.1 | 4.8 | 2.7 | 6.1 | 7.5 | 4.8 | 1.4 | 7.5 | 4.8 | 4.1 | 33.3 | 5.5 | 147 |
| | 13 | 28.6 | 8.8 | 6.1 | 2.7 | 6.1 | 5.4 | 2.7 | 8.2 | 3.4 | 6.8 | 21.1 | 4.5 | 147 |
| | 16 | 25.6 | 11.6 | 4.1 | 8.3 | 5.0 | 4.1 | 4.1 | 5.8 | 6.6 | 7.4 | 17.4 | 4.4 | 121 |
| | 19 | 21.4 | 8.9 | 7.1 | 8.9 | 7.1 | 1.8 | 2.7 | 2.7 | 5.4 | 2.7 | 31.3 | 5.0 | 112 |
| | 22 | 25.0 | 3.6 | 3.6 | 3.6 | 7.1 | | 3.6 | 3.6 | 3.6 | 3.6 | 42.9 | 5.9 | 28 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 23.2 | 5.1 | 3.3 | 16.2 | 4.6 | 2.1 | 1.9 | 3.6 | 3.3 | 4.0 | 32.7 | 5.1 | 705 |

NAVWEASERVCOM

5704 SKY COVER JAN 68

SKY COVER

02115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
PERIOD

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|------|------|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| OCT | 01 | | | | | | | | | | | | | |
| | 04 | | | | | | | | | | | | | |
| | 07 | 17.1 | 5.3 | 5.3 | 5.3 | 2.6 | | 2.0 | 6.6 | 8.6 | 7.2 | 40.1 | 6.3 | 152 |
| | 10 | 28.8 | 7.8 | 7.2 | 7.8 | 7.2 | 3.3 | 2.0 | 3.9 | 3.3 | 5.2 | 23.5 | 4.4 | 153 |
| | 13 | 35.3 | 11.1 | 8.5 | 6.5 | 7.2 | 1.3 | 1.3 | 4.6 | 5.2 | 7.2 | 11.8 | 3.5 | 153 |
| | 16 | 41.6 | 6.4 | 12.8 | 5.6 | 4.8 | .8 | 2.4 | 4.0 | 7.2 | 5.6 | 8.8 | 3.1 | 125 |
| | 19 | 42.7 | 4.5 | 10.0 | 6.4 | 1.8 | 1.8 | 1.8 | 4.5 | 7.3 | 3.6 | 15.5 | 3.5 | 110 |
| | 22 | 8.0 | 8.0 | 12.0 | 8.0 | | | | | 8.0 | 4.0 | 52.0 | 6.8 | 25 |
| | | | | | | | | | | | | | | |
| TOTALS | | 28.9 | 7.2 | 9.3 | 6.6 | 3.9 | 1.2 | 1.6 | 3.9 | 6.6 | 5.5 | 25.3 | 4.6 | 716 |

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5704 SKY COVER JAN 68

SKY COVER

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|------|-----|------|------|-----|-----|-----|------|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| NOV | 01 | 60.0 | | | 20.0 | | | | | | | 20.0 | 2.6 | 9 |
| | 04 | 66.7 | | | | 16.7 | | | | | | 16.7 | 2.3 | 6 |
| | 07 | 34.7 | 6.9 | 4.9 | 6.9 | 4.2 | 2.1 | 2.8 | 6.3 | 6.3 | 3.5 | 21.5 | 4.2 | 144 |
| | 10 | 31.5 | 12.8 | 9.4 | 4.7 | 4.7 | 5.4 | 2.0 | 3.4 | 6.7 | 8.1 | 11.4 | 3.7 | 149 |
| | 13 | 36.2 | 8.1 | 6.0 | 7.4 | 6.0 | 2.0 | 7.4 | 7.4 | 7.4 | 5.4 | 6.7 | 3.5 | 149 |
| | 16 | 33.6 | 12.1 | 5.4 | 7.4 | 5.4 | 4.0 | 4.0 | 6.0 | 6.0 | 4.7 | 11.4 | 3.6 | 149 |
| | 19 | 40.2 | 8.0 | 2.7 | 5.4 | 9.8 | 4.5 | 2.7 | 3.6 | 4.5 | 7.1 | 11.6 | 3.5 | 112 |
| | 22 | 37.8 | 2.7 | 2.7 | 8.1 | 13.5 | | 5.4 | 2.7 | 13.5 | 2.7 | 10.8 | 3.8 | 37 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 42.6 | 6.3 | 3.9 | 7.5 | 7.5 | 2.3 | 3.0 | 3.7 | 5.6 | 3.9 | 13.8 | 3.4 | 751 |

NAVWEASERVCOM

5704 SKY COVER JAN 68

SKY COVER

03115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|-----|------|-----|-----|-----|-----|-----|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| DEC | 01 | 50.0 | | | | | | | | | | 50.0 | 5.0 | 2 |
| | 04 | 100.0 | | | | | | | | | | | .0 | 1 |
| | 07 | 30.4 | 5.4 | 7.4 | 11.5 | 5.4 | 2.0 | 1.4 | 5.4 | 8.1 | 2.0 | 20.9 | 4.3 | 148 |
| | 10 | 33.1 | 6.0 | 2.6 | 5.3 | 6.0 | 4.6 | 2.0 | 7.9 | 7.9 | 4.6 | 19.9 | 4.5 | 151 |
| | 13 | 29.8 | 9.9 | 7.3 | 7.3 | 6.6 | 4.0 | 2.0 | 6.6 | 5.3 | 5.3 | 15.9 | 4.0 | 151 |
| | 16 | 30.5 | 7.9 | 7.3 | 6.0 | 7.3 | 2.6 | 2.6 | 6.0 | 4.0 | 6.0 | 19.9 | 4.2 | 151 |
| | 19 | 40.9 | 6.4 | 7.3 | .9 | 1.8 | 3.6 | 2.7 | 6.4 | 5.5 | 4.5 | 20.0 | 3.9 | 110 |
| | 22 | 16.7 | | 8.3 | 4.2 | | | 8.3 | | 4.2 | 12.5 | 45.8 | 6.8 | 24 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 41.4 | 4.5 | 5.0 | 4.4 | 3.4 | 2.1 | 2.4 | 4.0 | 4.4 | 4.4 | 24.1 | 4.1 | 738 |

NAVWEASERVCOM

5704 SKY COVER JAN 68

SKY COVER

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

73-77
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|-----|------|------|-----|-----|------|-----|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 23.5 | 5.0 | 5.7 | 4.1 | 9.1 | 8.0 | 4.5 | 10.3 | 8.1 | 5.0 | 16.9 | 4.8 | 754 |
| FEB | | 34.8 | 3.8 | 8.0 | 7.5 | 5.8 | 4.0 | 3.0 | 5.8 | 6.6 | 3.1 | 17.7 | 4.0 | 672 |
| MAR | | 18.3 | 5.1 | 5.6 | 6.7 | 4.4 | 5.0 | 4.5 | 9.7 | 8.5 | 6.2 | 26.1 | 5.6 | 737 |
| APR | | 25.1 | 4.8 | 8.5 | 5.4 | 20.5 | 2.2 | 4.0 | 3.5 | 5.4 | 3.1 | 17.5 | 4.3 | 739 |
| MAY | | 8.9 | 2.5 | 3.4 | 3.3 | 3.2 | 3.1 | 2.8 | 3.9 | 5.3 | 4.5 | 58.9 | 7.7 | 729 |
| JUN | | 17.3 | 4.1 | 6.1 | 6.5 | 5.8 | 4.0 | 2.4 | 4.3 | 5.2 | 3.8 | 40.6 | 6.1 | 733 |
| JUL | | 15.8 | 6.2 | 7.1 | 5.7 | 3.1 | 4.2 | 3.0 | 3.7 | 6.3 | 3.1 | 41.8 | 6.1 | 730 |
| AUG | | 18.9 | 7.0 | 5.5 | 4.6 | 3.9 | 2.3 | 3.3 | 3.3 | 3.3 | 2.9 | 45.2 | 6.1 | 751 |
| SEP | | 23.2 | 5.1 | 3.3 | 16.2 | 4.6 | 2.1 | 1.9 | 3.6 | 3.3 | 4.0 | 32.7 | 5.1 | 705 |
| OCT | | 28.9 | 7.2 | 9.3 | 6.6 | 3.9 | 1.2 | 1.6 | 3.9 | 6.6 | 5.5 | 25.3 | 4.6 | 718 |
| NOV | | 42.6 | 6.3 | 3.9 | 7.5 | 7.5 | 2.3 | 3.0 | 3.7 | 5.6 | 3.9 | 13.8 | 3.4 | 751 |
| DEC | | 41.4 | 4.5 | 5.0 | 4.4 | 3.4 | 2.1 | 2.4 | 4.0 | 4.4 | 4.4 | 24.1 | 4.1 | 736 |
| TOTALS | | 24.9 | 5.1 | 6.0 | 6.5 | 6.3 | 3.6 | 3.0 | 5.0 | 5.7 | 4.1 | 30.1 | 5.2 | 8753 |

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5704 SKY COVER JAN 68

NWSD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

5721 Daily Temperature Jan 1969

YEARS

MAXIMUM

[illegible]

NAVWEASERVCOM

DAILY TEMPERATURES

STATION

IMPERIAL BEACH, CALIFORNIA

STATION NAME

45-49, 55-77

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

[illegible]

NAVWEASERVCOM

5721 Daily Temperatures Jan 1989

2

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-49, 55-77

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1946-1947

1949-1949

9999-9999

JANUARY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|-----|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | | AVERAGE | | EXTREME | | |
| | °F | °C | °F | °C | °F | °C | DATE | °F | °C | °F | °C | DATE |
| 1 | 52.6 | 11.4 | 61.5 | 16.4 | 75 | 23.9 | 1964 | 43.8 | 6.6 | 35 | 1.7 | 1976 |
| 2 | 51.9 | 11.1 | 61.2 | 16.2 | 68 | 20.0 | 1969 | 42.6 | 5.9 | 32 | 0.0 | 1976 |
| 3 | 52.0 | 11.1 | 62.1 | 16.7 | 72 | 22.2 | 1956 | 41.9 | 5.5 | 34 | 1.1 | 1976* |
| 4 | 52.4 | 11.3 | 62.0 | 16.7 | 76 | 24.4 | 1969 | 42.8 | 6.0 | 30 | -1.1 | 1971 |
| 5 | 52.9 | 11.6 | 63.0 | 17.2 | 78 | 25.6 | 1969 | 42.7 | 5.9 | 29 | -1.7 | 1972* |
| 6 | 53.5 | 11.9 | 63.5 | 17.5 | 75 | 23.9 | 1958 | 43.5 | 6.4 | 35 | 1.7 | 1971 |
| 7 | 54.0 | 12.2 | 64.4 | 18.0 | 82 | 27.8 | 1962 | 43.7 | 6.5 | 26 | -3.3 | 1971 |
| 8 | 53.2 | 11.8 | 62.5 | 16.9 | 73 | 22.8 | 1961 | 44.0 | 6.7 | 31 | -0.6 | 1971 |
| 9 | 54.0 | 12.2 | 63.1 | 17.3 | 72 | 22.2 | 1962* | 44.9 | 7.2 | 35 | 1.7 | 1946 |
| 10 | 54.4 | 12.4 | 63.1 | 17.3 | 73 | 22.8 | 1967* | 45.3 | 7.4 | 37 | 2.8 | 1946 |
| 11 | 53.5 | 11.9 | 62.4 | 16.9 | 75 | 23.9 | 1961 | 44.6 | 7.0 | 36 | 2.2 | 1972 |
| 12 | 53.8 | 12.1 | 62.6 | 17.0 | 74 | 23.3 | 1968 | 45.1 | 7.3 | 37 | 2.8 | 1972 |
| 13 | 54.7 | 12.6 | 64.4 | 18.0 | 81 | 27.2 | 1949 | 45.0 | 7.2 | 27 | -2.8 | 1963 |
| 14 | 55.1 | 12.8 | 65.1 | 18.4 | 81 | 27.2 | 1975 | 45.2 | 7.3 | 34 | 1.1 | 1963 |
| 15 | 54.2 | 12.3 | 64.5 | 18.1 | 79 | 26.1 | 1976 | 45.9 | 6.6 | 27 | -2.8 | 1947 |
| 16 | 55.2 | 12.9 | 65.5 | 18.6 | 86 | 30.0 | 1976 | 45.0 | 7.2 | 34 | 1.1 | 1947 |
| 17 | 55.3 | 12.9 | 66.0 | 18.9 | 83 | 28.3 | 1977 | 45.2 | 7.3 | 36 | 2.2 | 1947 |
| 18 | 54.9 | 12.7 | 64.6 | 18.1 | 78 | 25.6 | 1977* | 45.4 | 7.4 | 38 | 3.3 | 1963* |
| 19 | 55.1 | 12.8 | 63.9 | 17.7 | 81 | 27.2 | 1961 | 46.3 | 7.9 | 39 | 3.9 | 1949 |
| 20 | 54.7 | 12.6 | 63.3 | 17.4 | 79 | 26.1 | 1976 | 46.1 | 7.8 | 35 | 1.7 | 1949 |
| 21 | 54.6 | 12.6 | 62.5 | 16.9 | 82 | 27.8 | 1976 | 46.6 | 8.1 | 36 | 2.2 | 1949 |
| 22 | 53.7 | 12.1 | 62.4 | 16.9 | 77 | 25.0 | 1976 | 45.0 | 7.2 | 35 | 1.7 | 1949 |
| 23 | 53.8 | 12.1 | 62.4 | 16.9 | 80 | 26.7 | 1968 | 45.2 | 7.3 | 37 | 2.8 | 1947 |
| 24 | 54.0 | 12.2 | 62.3 | 16.8 | 77 | 25.0 | 1968 | 45.6 | 7.6 | 39 | 3.9 | 1947 |
| 25 | 54.4 | 12.4 | 61.5 | 16.4 | 72 | 22.2 | 1977 | 47.2 | 8.4 | 37 | 2.8 | 1966 |
| 26 | 54.7 | 12.6 | 61.9 | 16.6 | 70 | 21.1 | 1977 | 47.5 | 8.6 | 39 | 3.9 | 1976* |
| 27 | 54.8 | 12.7 | 63.1 | 17.3 | 76 | 24.4 | 1971 | 46.6 | 8.1 | 39 | 3.9 | 1972 |
| 28 | 54.7 | 12.6 | 63.8 | 17.7 | 81 | 27.2 | 1976 | 45.3 | 7.4 | 29 | -1.7 | 1949 |
| 29 | 54.7 | 12.6 | 64.1 | 17.8 | 78 | 25.6 | 1971* | 45.4 | 7.4 | 36 | 2.2 | 1947 |
| 30 | 53.7 | 12.1 | 62.9 | 17.2 | 79 | 26.1 | 1971 | 44.6 | 7.0 | 34 | 1.1 | 1946 |
| 31 | 53.2 | 11.8 | 62.8 | 17.1 | 78 | 25.6 | 1962 | 43.5 | 6.4 | 28 | -2.2 | 1946 |
| Monthly | 54.0 | 12.2 | 63.2 | 17.3 | 86 | 30.0 | 1976 | 44.8 | 7.1 | 26 | -3.3 | 1971 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1976

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1946-1947

1949-1949

9999-9999

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | MINIMUM TEMP | | | |
|---------|-----------|------|--------------|------|---------|------|--------------|-----|---------|-----|
| | AVERAGE | | AVERAGE | | EXTREME | | AVERAGE | | EXTREME | |
| | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C |
| 1 | 54.7 | 12.6 | 62.9 | 17.2 | 79 | 26.1 | 46.5 | 8.1 | 35 | 1.7 |
| 2 | 54.7 | 12.6 | 62.7 | 17.1 | 76 | 24.4 | 46.7 | 8.2 | 35 | 1.7 |
| 3 | 55.7 | 13.2 | 65.0 | 18.3 | 83 | 28.3 | 46.4 | 8.0 | 36 | 2.2 |
| 4 | 55.4 | 13.0 | 64.5 | 18.1 | 78 | 25.6 | 46.2 | 7.9 | 35 | 1.7 |
| 5 | 54.8 | 12.7 | 63.1 | 17.3 | 76 | 24.4 | 46.5 | 8.1 | 36 | 2.2 |
| 6 | 54.7 | 12.6 | 62.7 | 17.1 | 70 | 21.1 | 46.7 | 8.2 | 32 | 0.0 |
| 7 | 54.0 | 12.2 | 61.5 | 16.4 | 70 | 21.1 | 46.4 | 8.0 | 37 | 2.8 |
| 8 | 55.1 | 12.8 | 62.6 | 17.0 | 74 | 23.3 | 47.7 | 8.7 | 40 | 4.4 |
| 9 | 55.8 | 13.2 | 63.5 | 17.5 | 73 | 22.8 | 48.1 | 8.9 | 35 | 1.7 |
| 10 | 55.4 | 13.0 | 64.4 | 18.0 | 76 | 24.4 | 46.3 | 7.9 | 35 | 1.7 |
| 11 | 56.2 | 13.4 | 64.7 | 18.2 | 78 | 25.6 | 47.7 | 8.7 | 36 | 2.2 |
| 12 | 56.2 | 13.4 | 64.7 | 18.2 | 78 | 25.6 | 47.6 | 8.7 | 37 | 2.8 |
| 13 | 55.5 | 13.1 | 63.4 | 17.4 | 81 | 27.2 | 47.7 | 8.7 | 37 | 2.8 |
| 14 | 54.6 | 12.6 | 62.8 | 17.1 | 72 | 22.2 | 46.5 | 8.1 | 35 | 1.7 |
| 15 | 54.8 | 12.7 | 63.0 | 17.2 | 77 | 25.0 | 46.6 | 8.1 | 36 | 2.2 |
| 16 | 54.6 | 12.6 | 62.4 | 16.9 | 77 | 25.0 | 46.9 | 8.3 | 38 | 3.3 |
| 17 | 54.4 | 12.4 | 62.4 | 16.9 | 69 | 20.6 | 46.3 | 7.9 | 36 | 2.2 |
| 18 | 54.6 | 12.6 | 62.7 | 17.1 | 73 | 22.8 | 46.5 | 8.1 | 39 | 3.9 |
| 19 | 54.6 | 12.6 | 62.7 | 17.1 | 77 | 25.0 | 46.5 | 8.1 | 40 | 4.4 |
| 20 | 54.7 | 12.6 | 63.0 | 17.2 | 74 | 23.3 | 46.4 | 8.0 | 38 | 3.3 |
| 21 | 55.1 | 12.8 | 63.7 | 17.6 | 73 | 22.8 | 46.6 | 8.1 | 38 | 3.3 |
| 22 | 55.4 | 13.0 | 63.3 | 17.4 | 80 | 26.7 | 47.5 | 8.6 | 33 | 0.6 |
| 23 | 56.1 | 13.4 | 65.3 | 18.5 | 76 | 24.4 | 46.9 | 8.3 | 41 | 5.0 |
| 24 | 56.2 | 13.4 | 64.7 | 18.2 | 80 | 26.7 | 47.7 | 8.7 | 38 | 3.3 |
| 25 | 55.3 | 12.9 | 63.1 | 17.3 | 82 | 27.8 | 47.5 | 8.6 | 39 | 3.9 |
| 26 | 54.4 | 12.4 | 61.8 | 16.6 | 68 | 20.0 | 47.1 | 8.4 | 40 | 4.4 |
| 27 | 54.3 | 12.4 | 62.7 | 17.1 | 73 | 22.8 | 45.8 | 7.7 | 38 | 3.3 |
| 28 | 55.7 | 13.2 | 63.7 | 17.6 | 78 | 25.6 | 47.7 | 8.7 | 39 | 3.9 |
| 29 | 55.4 | 13.0 | 61.3 | 16.3 | 64 | 17.8 | 49.5 | 9.7 | 42 | 5.6 |
| 30 | | | | | | | | | | |
| 31 | | | | | | | | | | |
| Monthly | 55.1 | 12.8 | 63.3 | 17.4 | 83 | 28.3 | 46.9 | 8.3 | 32 | 0.0 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

AD-A067 680

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS). IMPERIA--ETC (1)
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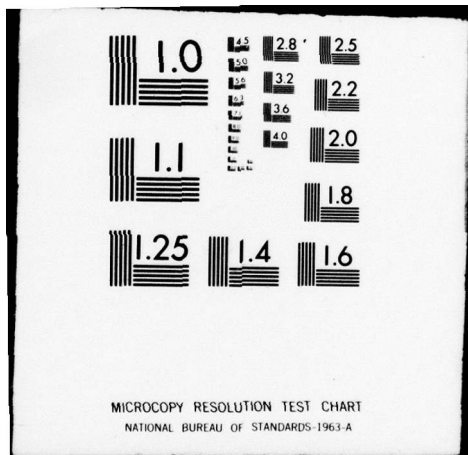
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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1946-1947 1949-1949 9999-9999

MARCH

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|---------|--------------|---------|-----|-------|--|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE | | |
| | ° F | ° C | ° F | ° C | ° F | ° C | | ° F | ° C | ° F | ° C | | | |
| 1 | 56.0 | 13.3 | 63.3 | 17.4 | 77 | 25.0 | 1967 | 48.7 | 9.3 | 39 | 3.9 | 1956 | | |
| 2 | 54.8 | 12.7 | 62.0 | 16.7 | 67 | 19.4 | 1972 | 47.5 | 8.6 | 33 | 0.6 | 1971 | | |
| 3 | 54.7 | 12.6 | 62.4 | 16.9 | 77 | 25.0 | 1968 | 47.0 | 8.3 | 35 | 1.7 | 1971 | | |
| 4 | 55.0 | 12.8 | 63.2 | 17.3 | 79 | 26.1 | 1968 | 46.6 | 8.1 | 35 | 1.7 | 1966 | | |
| 5 | 55.2 | 12.9 | 63.4 | 17.4 | 78 | 25.6 | 1959 | 47.1 | 8.4 | 40 | 4.4 | 1958 | | |
| 6 | 55.1 | 12.8 | 63.2 | 17.3 | 78 | 25.6 | 1977 | 47.1 | 8.4 | 40 | 4.4 | 1976 | | |
| 7 | 54.7 | 12.6 | 63.0 | 17.2 | 72 | 22.2 | 1977 | 46.4 | 8.0 | 36 | 2.2 | 1956 | | |
| 8 | 55.0 | 12.8 | 62.8 | 17.1 | 77 | 25.0 | 1946 | 47.3 | 8.5 | 38 | 3.3 | 1956 | | |
| 9 | 54.7 | 12.6 | 61.7 | 16.5 | 72 | 22.2 | 1946 | 47.7 | 8.7 | 38 | 3.3 | 1956 | | |
| 10 | 54.5 | 12.5 | 61.2 | 16.2 | 66 | 18.9 | 1972 | 47.8 | 8.8 | 39 | 3.9 | 1958 | | |
| 11 | 55.1 | 12.8 | 62.6 | 17.0 | 84 | 28.9 | 1959 | 47.5 | 8.6 | 40 | 4.4 | 1977 | | |
| 12 | 55.4 | 13.0 | 63.3 | 17.4 | 78 | 25.6 | 1959 | 47.6 | 8.7 | 40 | 4.4 | 1977 | | |
| 13 | 55.6 | 13.1 | 63.2 | 17.3 | 78 | 25.6 | 1947 | 48.1 | 8.9 | 38 | 3.3 | 1956 | | |
| 14 | 54.9 | 12.7 | 63.1 | 17.3 | 75 | 23.9 | 1947 | 46.7 | 8.2 | 37 | 2.8 | 1962 | | |
| 15 | 54.3 | 12.4 | 62.1 | 16.7 | 68 | 20.0 | 1939 | 46.5 | 8.1 | 39 | 3.9 | 1962* | | |
| 16 | 56.4 | 13.6 | 64.6 | 18.1 | 77 | 25.0 | 1964 | 48.2 | 9.0 | 41 | 5.0 | 1962* | | |
| 17 | 56.2 | 13.4 | 63.9 | 17.7 | 79 | 26.1 | 1964 | 48.6 | 9.2 | 44 | 6.7 | 1971* | | |
| 18 | 55.9 | 13.3 | 62.7 | 17.1 | 77 | 25.0 | 1960 | 49.0 | 9.4 | 40 | 4.4 | 1956 | | |
| 19 | 56.9 | 13.8 | 63.7 | 17.6 | 81 | 27.2 | 1960 | 50.1 | 10.1 | 42 | 5.6 | 1963 | | |
| 20 | 56.1 | 13.4 | 63.6 | 17.6 | 75 | 23.9 | 1959 | 48.6 | 9.2 | 43 | 6.1 | 1977* | | |
| 21 | 57.0 | 13.9 | 63.9 | 17.7 | 78 | 25.6 | 1976 | 50.0 | 10.0 | 44 | 6.7 | 1968 | | |
| 22 | 56.8 | 13.8 | 63.5 | 17.5 | 79 | 26.1 | 1976 | 50.1 | 10.1 | 40 | 4.4 | 1957 | | |
| 23 | 56.8 | 13.8 | 63.4 | 17.4 | 78 | 25.6 | 1966 | 50.1 | 10.1 | 37 | 2.8 | 1957 | | |
| 24 | 56.9 | 13.8 | 63.8 | 17.7 | 71 | 21.7 | 1947 | 49.9 | 9.9 | 41 | 5.0 | 1962 | | |
| 25 | 57.0 | 13.9 | 64.1 | 17.8 | 82 | 27.8 | 1947 | 50.0 | 10.0 | 41 | 5.0 | 1977 | | |
| 26 | 57.0 | 13.9 | 64.3 | 17.9 | 75 | 23.9 | 1969 | 49.6 | 9.8 | 40 | 4.4 | 1977 | | |
| 27 | 57.1 | 13.9 | 63.9 | 17.7 | 75 | 23.9 | 1969 | 50.3 | 10.2 | 42 | 5.6 | 1973 | | |
| 28 | 57.1 | 13.9 | 63.7 | 17.6 | 68 | 20.0 | 1964* | 50.5 | 10.3 | 47 | 8.3 | 1972* | | |
| 29 | 56.3 | 13.5 | 63.8 | 17.7 | 72 | 22.2 | 1957 | 48.7 | 9.3 | 40 | 4.4 | 1973 | | |
| 30 | 56.3 | 13.5 | 63.4 | 17.4 | 71 | 21.7 | 1976 | 49.5 | 9.7 | 41 | 5.0 | 1967 | | |
| 31 | 57.4 | 14.1 | 63.9 | 17.7 | 72 | 22.2 | 1976 | 50.9 | 10.5 | 41 | 5.0 | 1977 | | |
| Monthly | 55.9 | 13.3 | 63.2 | 17.3 | 84 | 28.9 | 1959 | 48.5 | 9.2 | 33 | 0.6 | 1971 | | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725/DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1956-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|------|---------|-----|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | |
| 1 | 57.0 | 13.9 | 63.8 | 17.7 | 79 | 26.1 | 1959 | 50.2 | 10.1 | 43 | 6.1 | 1945 |
| 2 | 57.5 | 14.2 | 64.8 | 18.2 | 82 | 27.8 | 1960 | 50.2 | 10.1 | 41 | 5.0 | 1976 |
| 3 | 57.0 | 13.9 | 64.7 | 18.2 | 81 | 27.2 | 1960 | 49.3 | 9.6 | 38 | 2.2 | 1945 |
| 4 | 57.5 | 14.2 | 66.0 | 18.9 | 79 | 26.1 | 1971 | 48.9 | 9.4 | 34 | 1.1 | 1945 |
| 5 | 58.3 | 14.6 | 66.5 | 19.2 | 78 | 25.6 | 1974* | 50.1 | 10.1 | 40 | 4.4 | 1945 |
| 6 | 57.5 | 14.2 | 64.4 | 18.0 | 72 | 22.2 | 1945 | 50.7 | 10.4 | 40 | 4.4 | 1945 |
| 7 | 57.6 | 14.2 | 64.7 | 18.2 | 76 | 24.4 | 1962* | 50.5 | 10.3 | 43 | 6.1 | 1945 |
| 8 | 57.9 | 14.4 | 65.5 | 18.6 | 77 | 25.0 | 1973 | 50.4 | 10.2 | 39 | 3.9 | 1948 |
| 9 | 58.3 | 14.6 | 65.4 | 18.6 | 88 | 31.1 | 1968 | 51.2 | 10.7 | 45 | 7.2 | 1967* |
| 10 | 58.1 | 14.5 | 65.0 | 18.3 | 78 | 25.6 | 1968 | 51.1 | 10.6 | 44 | 6.7 | 1945 |
| 11 | 58.1 | 14.5 | 65.4 | 18.6 | 79 | 26.1 | 1946 | 50.7 | 10.4 | 43 | 6.1 | 1945 |
| 12 | 58.5 | 14.7 | 65.7 | 18.7 | 90 | 32.2 | 1947 | 51.3 | 10.7 | 41 | 5.0 | 1948 |
| 13 | 58.4 | 14.7 | 65.7 | 18.7 | 89 | 31.7 | 1947 | 51.0 | 10.6 | 40 | 4.4 | 1948 |
| 14 | 58.8 | 14.9 | 66.9 | 19.4 | 83 | 28.3 | 1964 | 50.8 | 10.4 | 39 | 3.9 | 1945 |
| 15 | 59.5 | 15.3 | 67.4 | 19.7 | 83 | 28.3 | 1958 | 51.7 | 10.9 | 41 | 5.0 | 1945 |
| 16 | 58.4 | 14.7 | 64.4 | 18.0 | 82 | 27.8 | 1948 | 52.5 | 11.4 | 42 | 5.6 | 1945 |
| 17 | 58.6 | 14.8 | 64.4 | 18.0 | 72 | 22.2 | 1948 | 52.7 | 11.5 | 42 | 5.6 | 1976 |
| 18 | 58.4 | 14.7 | 64.0 | 17.8 | 69 | 20.6 | 1969 | 52.8 | 11.6 | 42 | 5.6 | 1976 |
| 19 | 58.3 | 14.6 | 64.9 | 18.3 | 74 | 23.3 | 1965 | 51.7 | 10.9 | 41 | 5.0 | 1945 |
| 20 | 58.3 | 14.6 | 64.9 | 18.3 | 74 | 23.3 | 1958 | 51.7 | 10.9 | 44 | 6.7 | 1966 |
| 21 | 58.2 | 14.6 | 64.5 | 18.1 | 73 | 23.9 | 1958 | 51.9 | 11.1 | 42 | 5.6 | 1977 |
| 22 | 58.7 | 14.8 | 64.9 | 18.3 | 72 | 22.2 | 1977 | 52.5 | 11.4 | 44 | 6.7 | 1963 |
| 23 | 58.9 | 14.9 | 65.4 | 18.6 | 71 | 21.7 | 1968 | 52.5 | 11.4 | 45 | 7.2 | 1967 |
| 24 | 58.7 | 14.8 | 65.3 | 18.5 | 72 | 22.2 | 1977 | 52.0 | 11.1 | 46 | 7.8 | 1963* |
| 25 | 58.5 | 14.7 | 65.2 | 18.4 | 69 | 20.6 | 1959* | 51.9 | 11.1 | 45 | 7.2 | 1948 |
| 26 | 58.9 | 14.9 | 65.0 | 18.3 | 70 | 21.1 | 1969 | 52.8 | 11.6 | 46 | 7.8 | 1967 |
| 27 | 59.2 | 15.1 | 65.2 | 18.4 | 74 | 23.3 | 1969 | 53.1 | 11.7 | 41 | 5.0 | 1971 |
| 28 | 59.7 | 15.4 | 66.0 | 18.9 | 74 | 23.3 | 1969 | 53.5 | 11.9 | 44 | 6.7 | 1971 |
| 29 | 59.5 | 15.3 | 65.4 | 18.6 | 71 | 21.7 | 1959 | 53.5 | 11.9 | 45 | 7.2 | 1970 |
| 30 | 59.7 | 15.4 | 66.1 | 18.9 | 71 | 21.7 | 1974* | 53.3 | 11.8 | 42 | 5.6 | 1948 |
| 31 | | | | | | | | | | | | |
| Monthly | 58.4 | 14.7 | 65.2 | 18.4 | 90 | 32.2 | 1947 | 51.5 | 10.8 | 34 | 1.1 | 1945 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

SEAS DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1956-1977

MAY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|------|---------|------|-------|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | | DATE | |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C | | |
| 1 | 60.5 | 15.8 | 66.2 | 19.0 | 73 | 22.8 | 1960 | | 54.8 | 12.7 | 44 | 6.7 | 1967 | |
| 2 | 60.3 | 15.7 | 66.6 | 19.2 | 77 | 25.0 | 1973 | | 54.3 | 12.4 | 46 | 7.8 | 1967 | |
| 3 | 60.8 | 16.0 | 66.4 | 19.1 | 78 | 25.6 | 1970 | | 55.2 | 12.9 | 47 | 8.3 | 1948 | |
| 4 | 60.3 | 15.7 | 65.9 | 18.8 | 71 | 21.7 | 1958 | | 54.7 | 12.6 | 50 | 10.0 | 1948 | |
| 5 | 60.4 | 15.8 | 65.5 | 18.6 | 71 | 21.7 | 1959 | | 55.4 | 13.0 | 49 | 9.4 | 1959 | |
| 6 | 60.5 | 15.8 | 66.2 | 19.0 | 72 | 22.2 | 1959 | | 54.7 | 12.6 | 44 | 6.7 | 1967 | |
| 7 | 60.8 | 16.0 | 66.9 | 19.4 | 72 | 22.2 | 1971 | | 54.8 | 12.7 | 48 | 8.9 | 1968* | |
| 8 | 61.6 | 16.4 | 67.2 | 19.6 | 75 | 23.9 | 1977 | | 56.0 | 13.3 | 49 | 9.4 | 1965* | |
| 9 | 61.4 | 16.3 | 67.0 | 19.4 | 71 | 21.7 | 1970 | | 55.9 | 13.3 | 47 | 8.3 | 1964 | |
| 10 | 61.4 | 16.3 | 66.4 | 19.1 | 71 | 21.7 | 1970 | | 56.4 | 13.6 | 49 | 9.4 | 1971 | |
| 11 | 60.9 | 16.1 | 66.3 | 19.1 | 75 | 23.9 | 1960 | | 55.5 | 13.1 | 50 | 10.0 | 1948 | |
| 12 | 60.3 | 15.7 | 65.7 | 18.7 | 71 | 21.7 | 1970 | | 54.9 | 12.7 | 46 | 7.8 | 1967 | |
| 13 | 60.6 | 15.9 | 66.7 | 19.3 | 73 | 22.8 | 1970 | | 54.5 | 12.5 | 46 | 7.8 | 1956 | |
| 14 | 61.3 | 16.3 | 67.2 | 19.6 | 82 | 27.8 | 1956 | | 55.5 | 13.1 | 49 | 9.4 | 1967 | |
| 15 | 62.0 | 16.7 | 68.1 | 20.1 | 86 | 30.0 | 1956 | | 55.9 | 13.3 | 47 | 8.3 | 1968 | |
| 16 | 61.6 | 16.4 | 67.9 | 19.9 | 92 | 33.3 | 1967 | | 55.2 | 12.9 | 50 | 10.0 | 1968* | |
| 17 | 61.1 | 16.2 | 67.3 | 19.6 | 88 | 31.1 | 1956 | | 54.9 | 12.7 | 46 | 7.8 | 1971 | |
| 18 | 61.6 | 16.4 | 66.8 | 19.3 | 73 | 22.8 | 1971 | | 56.4 | 13.6 | 47 | 8.3 | 1971 | |
| 19 | 61.6 | 16.4 | 66.6 | 19.2 | 71 | 21.7 | 1971* | | 56.5 | 13.6 | 52 | 11.1 | 1977* | |
| 20 | 61.1 | 16.2 | 66.7 | 19.3 | 75 | 23.9 | 1960 | | 55.6 | 13.1 | 50 | 10.0 | 1948 | |
| 21 | 61.0 | 16.1 | 66.4 | 19.1 | 71 | 21.7 | 1966 | | 55.7 | 13.2 | 46 | 7.8 | 1948 | |
| 22 | 61.4 | 16.3 | 66.6 | 19.2 | 83 | 28.3 | 1958 | | 56.2 | 13.4 | 49 | 9.4 | 1971* | |
| 23 | 61.4 | 16.3 | 66.0 | 18.9 | 73 | 22.8 | 1958 | | 56.8 | 13.8 | 53 | 11.7 | 1976* | |
| 24 | 61.7 | 16.5 | 66.3 | 19.1 | 72 | 22.2 | 1958 | | 57.0 | 13.9 | 52 | 11.1 | 1960 | |
| 25 | 62.0 | 16.7 | 66.8 | 19.3 | 71 | 21.7 | 1958 | | 57.2 | 14.0 | 50 | 10.0 | 1965 | |
| 26 | 62.2 | 16.8 | 67.2 | 19.6 | 72 | 22.2 | 1968* | | 57.3 | 14.1 | 53 | 11.7 | 1971 | |
| 27 | 62.1 | 16.7 | 67.2 | 19.6 | 73 | 22.8 | 1960 | | 57.1 | 13.9 | 51 | 10.6 | 1971* | |
| 28 | 61.7 | 16.5 | 67.2 | 19.6 | 74 | 23.3 | 1973 | | 56.5 | 13.5 | 48 | 8.9 | 1971 | |
| 29 | 62.1 | 16.7 | 67.0 | 19.4 | 72 | 22.2 | 1958 | | 57.2 | 14.0 | 48 | 8.9 | 1971 | |
| 30 | 62.2 | 16.8 | 66.8 | 19.3 | 71 | 21.7 | 1977 | | 57.6 | 14.2 | 52 | 11.1 | 1961 | |
| 31 | 62.5 | 16.9 | 66.9 | 19.4 | 71 | 21.7 | 1977* | | 58.2 | 14.6 | 52 | 11.1 | 1957 | |
| Monthly | 61.3 | 16.3 | 66.7 | 19.3 | 92 | 33.3 | 1967 | | 55.9 | 13.3 | 44 | 6.7 | 1967 | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1943-1949 1956-1977

JUNE

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|------|---------|------|-------|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | | DATE | |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C | | |
| 1 | 62.4 | 16.9 | 67.1 | 19.5 | 71 | 21.7 | 1977* | | 57.6 | 14.2 | 46 | 7.8 | 1971 | |
| 2 | 62.3 | 16.8 | 67.2 | 19.6 | 71 | 21.7 | 1976* | | 57.4 | 14.1 | 47 | 8.3 | 1971 | |
| 3 | 62.8 | 17.1 | 67.3 | 19.6 | 73 | 22.8 | 1976 | | 58.4 | 14.7 | 51 | 10.6 | 1967 | |
| 4 | 62.8 | 17.1 | 67.1 | 19.5 | 74 | 23.3 | 1966 | | 58.6 | 14.8 | 52 | 11.1 | 1967 | |
| 5 | 62.9 | 17.2 | 67.6 | 19.8 | 73 | 22.8 | 1972 | | 58.3 | 14.6 | 49 | 9.4 | 1971 | |
| 6 | 63.0 | 17.2 | 67.1 | 19.5 | 73 | 22.8 | 1966 | | 58.9 | 14.9 | 54 | 12.2 | 1971 | |
| 7 | 62.9 | 17.2 | 67.2 | 19.6 | 73 | 22.8 | 1966 | | 58.6 | 14.8 | 53 | 12.8 | 1971 | |
| 8 | 62.5 | 16.9 | 66.7 | 19.3 | 72 | 22.2 | 1974* | | 58.5 | 14.7 | 53 | 12.8 | 1968* | |
| 9 | 62.5 | 16.9 | 66.7 | 19.3 | 73 | 22.8 | 1974 | | 58.3 | 14.6 | 51 | 10.6 | 1948 | |
| 10 | 63.2 | 17.3 | 67.3 | 19.7 | 73 | 22.8 | 1966 | | 58.8 | 14.9 | 51 | 10.6 | 1964 | |
| 11 | 63.2 | 17.3 | 67.6 | 19.8 | 72 | 22.2 | 1972 | | 58.9 | 14.9 | 53 | 11.7 | 1964 | |
| 12 | 63.3 | 17.5 | 67.8 | 19.9 | 72 | 22.2 | 1972 | | 59.3 | 15.2 | 56 | 13.3 | 1967 | |
| 13 | 63.5 | 17.5 | 67.9 | 19.9 | 74 | 23.3 | 1966 | | 59.2 | 15.1 | 56 | 13.3 | 1956 | |
| 14 | 63.2 | 17.3 | 67.7 | 19.8 | 73 | 22.8 | 1976 | | 58.9 | 14.9 | 53 | 11.7 | 1970 | |
| 15 | 63.5 | 17.5 | 68.0 | 20.0 | 74 | 23.3 | 1974 | | 59.0 | 15.0 | 52 | 11.1 | 1971 | |
| 16 | 63.3 | 17.4 | 67.8 | 19.9 | 74 | 23.3 | 1966 | | 58.8 | 14.9 | 54 | 12.2 | 1971* | |
| 17 | 63.9 | 17.7 | 68.9 | 20.5 | 84 | 28.9 | 1957 | | 58.8 | 14.9 | 54 | 12.2 | 1977* | |
| 18 | 64.4 | 18.0 | 69.0 | 20.6 | 89 | 31.7 | 1957 | | 59.9 | 15.5 | 55 | 12.8 | 1977* | |
| 19 | 64.2 | 17.9 | 68.6 | 20.3 | 78 | 25.6 | 1957 | | 59.7 | 15.4 | 56 | 13.3 | 1977* | |
| 20 | 64.0 | 17.8 | 68.7 | 20.4 | 80 | 26.7 | 1973 | | 59.3 | 15.2 | 54 | 12.2 | 1948 | |
| 21 | 64.4 | 18.0 | 69.0 | 20.6 | 77 | 25.0 | 1973 | | 59.9 | 15.5 | 55 | 12.8 | 1971 | |
| 22 | 64.3 | 17.9 | 68.8 | 20.4 | 78 | 25.6 | 1976 | | 60.1 | 15.6 | 56 | 13.3 | 1971 | |
| 23 | 64.4 | 18.0 | 69.1 | 20.6 | 74 | 23.3 | 1973* | | 59.8 | 15.4 | 54 | 12.2 | 1971 | |
| 24 | 64.4 | 18.0 | 68.6 | 20.3 | 73 | 22.8 | 1977 | | 60.2 | 15.7 | 53 | 11.7 | 1963 | |
| 25 | 64.4 | 18.0 | 69.1 | 20.6 | 74 | 23.3 | 1974 | | 59.7 | 15.4 | 54 | 12.2 | 1975 | |
| 26 | 64.6 | 18.1 | 69.4 | 20.8 | 75 | 23.9 | 1974 | | 59.8 | 15.4 | 54 | 12.2 | 1963 | |
| 27 | 64.9 | 18.3 | 70.1 | 21.2 | 77 | 25.0 | 1974 | | 59.8 | 15.4 | 51 | 10.6 | 1963 | |
| 28 | 64.8 | 18.2 | 69.8 | 21.0 | 76 | 24.4 | 1974 | | 59.7 | 15.4 | 55 | 12.8 | 1963 | |
| 29 | 64.6 | 18.1 | 69.7 | 20.9 | 74 | 23.3 | 1974* | | 59.4 | 15.2 | 55 | 12.8 | 1963 | |
| 30 | 64.2 | 17.9 | 69.7 | 20.9 | 73 | 22.8 | 1959 | | 58.8 | 14.9 | 54 | 12.2 | 1964 | |
| 31 | | | | | | | | | | | | | | |
| Monthly | 63.6 | 17.6 | 68.2 | 20.1 | 89 | 31.7 | 1957 | | 59.1 | 15.1 | 46 | 7.8 | 1971 | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1956-1977

JULY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|------|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | |
| 1 | 65.0 | 18.3 | 69.8 | 21.0 | 76 | 24.4 | 1974 | 60.2 | 15.7 | 53 | 11.7 | 1968 |
| 2 | 65.6 | 18.7 | 70.7 | 21.5 | 77 | 25.0 | 1957 | 60.5 | 15.8 | 53 | 12.8 | 1964 |
| 3 | 65.3 | 18.5 | 70.1 | 21.2 | 77 | 25.0 | 1970 | 60.5 | 15.8 | 56 | 13.3 | 1971 |
| 4 | 65.5 | 18.6 | 70.4 | 21.3 | 79 | 26.1 | 1957 | 60.6 | 15.9 | 54 | 12.8 | 1977 |
| 5 | 65.4 | 18.6 | 70.1 | 21.2 | 75 | 23.9 | 1966 | 60.7 | 15.9 | 53 | 11.7 | 1948 |
| 6 | 65.8 | 18.8 | 70.6 | 21.4 | 75 | 23.9 | 1966* | 61.2 | 16.2 | 54 | 12.2 | 1948 |
| 7 | 66.1 | 18.9 | 70.9 | 21.6 | 80 | 26.7 | 1968 | 61.2 | 16.2 | 52 | 11.1 | 1948 |
| 8 | 66.3 | 19.1 | 71.5 | 21.9 | 80 | 26.7 | 1968 | 61.2 | 16.2 | 56 | 13.3 | 1971 |
| 9 | 66.1 | 18.9 | 71.6 | 22.0 | 78 | 25.6 | 1968 | 60.6 | 15.9 | 52 | 11.1 | 1948 |
| 10 | 66.5 | 19.2 | 71.7 | 22.1 | 82 | 27.8 | 1959 | 61.3 | 16.3 | 53 | 12.8 | 1947 |
| 11 | 66.6 | 19.2 | 71.5 | 21.9 | 80 | 26.7 | 1959 | 61.6 | 16.4 | 56 | 13.3 | 1971 |
| 12 | 66.4 | 19.1 | 71.0 | 21.7 | 77 | 25.0 | 1968 | 61.8 | 16.6 | 53 | 12.8 | 1971 |
| 13 | 66.5 | 19.2 | 70.9 | 21.6 | 75 | 23.9 | 1974* | 62.1 | 16.7 | 56 | 13.3 | 1971 |
| 14 | 66.4 | 19.1 | 70.7 | 21.5 | 79 | 26.1 | 1974 | 62.0 | 16.7 | 57 | 13.9 | 1971* |
| 15 | 66.6 | 19.2 | 71.2 | 21.8 | 77 | 25.0 | 1974* | 62.2 | 16.8 | 57 | 13.9 | 1971 |
| 16 | 66.3 | 19.1 | 70.5 | 21.4 | 79 | 26.1 | 1974 | 62.2 | 16.8 | 54 | 12.2 | 1971 |
| 17 | 67.0 | 19.4 | 71.5 | 21.9 | 82 | 27.8 | 1974 | 62.4 | 16.9 | 53 | 12.8 | 1969 |
| 18 | 67.1 | 19.5 | 71.9 | 22.2 | 79 | 26.1 | 1974 | 62.3 | 16.8 | 57 | 13.9 | 1969 |
| 19 | 67.7 | 19.8 | 72.1 | 22.3 | 85 | 29.4 | 1974 | 62.3 | 17.4 | 57 | 13.9 | 1947 |
| 20 | 67.6 | 19.8 | 72.4 | 22.4 | 85 | 29.4 | 1974 | 62.8 | 17.1 | 53 | 12.8 | 1973 |
| 21 | 67.5 | 19.7 | 71.9 | 22.2 | 83 | 28.3 | 1974 | 63.1 | 17.3 | 57 | 13.9 | 1973 |
| 22 | 67.4 | 19.7 | 71.7 | 22.1 | 79 | 26.1 | 1974 | 63.1 | 17.3 | 59 | 15.0 | 1971 |
| 23 | 68.0 | 20.0 | 72.4 | 22.4 | 83 | 28.3 | 1974 | 63.5 | 17.5 | 59 | 15.0 | 1973* |
| 24 | 68.0 | 20.0 | 72.3 | 22.4 | 82 | 27.8 | 1974 | 63.6 | 17.6 | 58 | 14.4 | 1973 |
| 25 | 68.2 | 20.1 | 72.7 | 22.6 | 83 | 28.3 | 1974 | 63.6 | 17.6 | 58 | 14.4 | 1973 |
| 26 | 68.7 | 20.4 | 73.3 | 22.9 | 81 | 27.2 | 1974 | 64.1 | 17.8 | 58 | 14.4 | 1977* |
| 27 | 69.0 | 20.6 | 74.0 | 23.3 | 81 | 27.2 | 1974 | 64.1 | 17.8 | 57 | 13.9 | 1965 |
| 28 | 69.1 | 20.6 | 74.1 | 23.4 | 82 | 27.8 | 1977 | 64.2 | 17.9 | 59 | 15.0 | 1973* |
| 29 | 69.4 | 20.8 | 73.9 | 23.3 | 81 | 27.2 | 1974* | 64.9 | 18.3 | 58 | 14.4 | 1971 |
| 30 | 69.6 | 20.9 | 74.7 | 23.7 | 84 | 28.9 | 1968 | 64.4 | 18.0 | 54 | 12.2 | 1948 |
| 31 | 69.4 | 20.8 | 74.5 | 23.6 | 82 | 27.8 | 1974 | 64.4 | 18.0 | 60 | 15.6 | 1973* |
| Monthly | 67.1 | 19.5 | 71.8 | 22.1 | 85 | 29.4 | 1974 | 62.4 | 16.9 | 52 | 11.1 | 1948 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1956-1977

AUGUST

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|---------|--------------|---------|------|-------|--|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE | | |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | | | |
| 1 | 69.3 | 20.7 | 74.1 | 23.4 | 83 | 28.3 | 1972 | 64.7 | 18.2 | 61 | 16.1 | 1973* | | |
| 2 | 69.3 | 20.7 | 73.8 | 23.2 | 79 | 26.1 | 1966 | 64.8 | 18.2 | 60 | 15.6 | 1964 | | |
| 3 | 68.6 | 20.3 | 73.1 | 22.8 | 79 | 26.1 | 1974* | 64.0 | 17.8 | 58 | 14.4 | 1956 | | |
| 4 | 68.3 | 20.2 | 72.7 | 22.6 | 77 | 25.0 | 1977* | 64.0 | 17.8 | 56 | 13.3 | 1956 | | |
| 5 | 68.6 | 20.3 | 73.4 | 23.0 | 80 | 26.7 | 1961 | 63.7 | 17.6 | 58 | 14.4 | 1956 | | |
| 6 | 68.6 | 20.3 | 73.3 | 22.9 | 79 | 26.1 | 1968 | 63.9 | 17.7 | 58 | 14.4 | 1957 | | |
| 7 | 69.0 | 20.6 | 74.3 | 23.5 | 81 | 27.2 | 1968 | 63.7 | 17.6 | 58 | 14.4 | 1957 | | |
| 8 | 69.0 | 20.6 | 74.1 | 23.4 | 79 | 26.1 | 1968 | 64.0 | 17.8 | 56 | 13.3 | 1957 | | |
| 9 | 68.8 | 20.4 | 73.7 | 23.2 | 80 | 26.7 | 1968 | 64.0 | 17.8 | 58 | 14.4 | 1976 | | |
| 10 | 69.1 | 20.6 | 74.0 | 23.3 | 78 | 25.6 | 1965* | 64.2 | 17.9 | 58 | 14.4 | 1976* | | |
| 11 | 69.2 | 20.7 | 73.7 | 23.2 | 78 | 25.6 | 1966 | 64.6 | 18.1 | 59 | 15.0 | 1973 | | |
| 12 | 69.4 | 20.8 | 73.6 | 23.1 | 79 | 26.1 | 1965 | 65.2 | 18.4 | 60 | 15.6 | 1948 | | |
| 13 | 69.6 | 20.9 | 74.1 | 23.4 | 85 | 29.4 | 1965 | 65.1 | 18.4 | 60 | 15.6 | 1973 | | |
| 14 | 69.2 | 20.7 | 73.5 | 23.1 | 81 | 27.2 | 1965 | 64.9 | 18.3 | 60 | 15.6 | 1948 | | |
| 15 | 69.9 | 21.1 | 74.3 | 23.5 | 81 | 27.2 | 1970 | 65.5 | 18.6 | 60 | 15.6 | 1948 | | |
| 16 | 69.7 | 20.9 | 74.6 | 23.7 | 82 | 27.8 | 1970 | 64.9 | 18.3 | 59 | 15.0 | 1972* | | |
| 17 | 69.1 | 20.6 | 73.9 | 23.3 | 79 | 26.1 | 1970* | 64.3 | 17.9 | 58 | 14.4 | 1972 | | |
| 18 | 69.6 | 20.9 | 74.0 | 23.3 | 79 | 26.1 | 1966 | 65.2 | 18.4 | 61 | 16.1 | 1975 | | |
| 19 | 69.6 | 20.9 | 74.3 | 23.5 | 78 | 25.6 | 1966 | 64.9 | 18.3 | 61 | 16.1 | 1972* | | |
| 20 | 69.6 | 20.9 | 73.9 | 23.3 | 79 | 26.1 | 1973 | 65.3 | 18.5 | 61 | 16.1 | 1972 | | |
| 21 | 69.0 | 20.6 | 73.8 | 23.2 | 80 | 26.7 | 1957 | 64.2 | 17.9 | 58 | 14.4 | 1959 | | |
| 22 | 69.2 | 20.7 | 74.5 | 23.6 | 86 | 30.0 | 1972 | 63.8 | 17.7 | 60 | 15.6 | 1971* | | |
| 23 | 69.1 | 20.6 | 74.5 | 23.6 | 82 | 27.8 | 1968 | 63.8 | 17.7 | 57 | 13.9 | 1973 | | |
| 24 | 69.2 | 20.7 | 74.4 | 23.6 | 81 | 27.2 | 1968 | 64.0 | 17.8 | 58 | 14.4 | 1975* | | |
| 25 | 68.8 | 20.4 | 73.6 | 23.1 | 80 | 26.7 | 1968 | 63.9 | 17.7 | 59 | 15.0 | 1975 | | |
| 26 | 69.2 | 20.7 | 74.0 | 23.3 | 83 | 28.3 | 1957 | 64.4 | 18.0 | 60 | 15.6 | 1971* | | |
| 27 | 68.6 | 20.3 | 73.7 | 23.2 | 79 | 26.1 | 1957 | 63.5 | 17.5 | 58 | 14.4 | 1973 | | |
| 28 | 68.5 | 20.3 | 73.1 | 22.8 | 81 | 27.2 | 1968 | 63.8 | 17.7 | 58 | 14.4 | 1973 | | |
| 29 | 68.6 | 20.3 | 73.3 | 22.9 | 80 | 26.7 | 1967 | 63.8 | 17.7 | 58 | 14.4 | 1971 | | |
| 30 | 68.2 | 20.1 | 73.2 | 22.9 | 81 | 27.2 | 1972 | 63.3 | 17.4 | 56 | 13.3 | 1971* | | |
| 31 | 68.5 | 20.3 | 73.0 | 22.8 | 80 | 26.7 | 1967 | 64.0 | 17.8 | 56 | 13.3 | 1971 | | |
| Monthly | 69.0 | 20.6 | 73.8 | 23.2 | 86 | 30.0 | 1972 | 64.3 | 17.9 | 56 | 13.3 | 1971* | | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

525 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1956-1977

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | |
|---------|-----------|------|--------------|------|---------|------|-------|---------|--------------|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | |
| 1 | 69.4 | 20.8 | 74.6 | 23.7 | 97 | 36.1 | 1967 | 64.2 | 17.9 | 58 | 14.4 | 1971 |
| 2 | 68.6 | 20.3 | 73.5 | 23.1 | 79 | 26.1 | 1974* | 63.6 | 17.6 | 57 | 13.9 | 1964 |
| 3 | 68.4 | 20.2 | 73.8 | 23.2 | 79 | 26.1 | 1945 | 63.1 | 17.3 | 54 | 12.2 | 1971 |
| 4 | 69.0 | 20.6 | 74.3 | 23.5 | 86 | 30.0 | 1961 | 63.8 | 17.7 | 52 | 11.1 | 1971 |
| 5 | 68.5 | 20.3 | 73.7 | 23.2 | 84 | 28.9 | 1961 | 63.3 | 17.4 | 56 | 13.3 | 1971 |
| 6 | 67.9 | 19.9 | 73.1 | 22.8 | 81 | 27.2 | 1974* | 62.8 | 17.1 | 55 | 12.8 | 1970 |
| 7 | 68.5 | 20.3 | 73.6 | 23.1 | 91 | 32.8 | 1958 | 63.3 | 17.4 | 56 | 13.3 | 1973 |
| 8 | 68.2 | 20.1 | 73.8 | 23.2 | 80 | 26.7 | 1977* | 62.6 | 17.0 | 55 | 12.8 | 1965 |
| 9 | 68.3 | 20.2 | 74.0 | 23.3 | 85 | 29.4 | 1956 | 62.7 | 17.1 | 54 | 12.2 | 1961 |
| 10 | 69.0 | 20.6 | 74.9 | 23.8 | 82 | 27.8 | 1960 | 63.1 | 17.3 | 56 | 13.3 | 1961 |
| 11 | 69.1 | 20.6 | 74.9 | 23.8 | 99 | 37.2 | 1959 | 63.3 | 17.4 | 56 | 13.3 | 1957 |
| 12 | 68.8 | 20.4 | 73.7 | 23.2 | 82 | 27.8 | 1963* | 63.9 | 17.7 | 57 | 13.9 | 1957 |
| 13 | 67.8 | 19.9 | 72.5 | 22.5 | 80 | 26.7 | 1963 | 63.2 | 17.3 | 55 | 12.8 | 1972* |
| 14 | 67.3 | 19.6 | 72.4 | 22.4 | 78 | 25.6 | 1974 | 62.2 | 16.8 | 52 | 11.1 | 1966 |
| 15 | 67.2 | 19.6 | 72.4 | 22.4 | 77 | 25.0 | 1966* | 62.1 | 16.7 | 55 | 12.8 | 1970* |
| 16 | 67.7 | 19.8 | 72.8 | 22.7 | 79 | 26.1 | 1975* | 62.6 | 17.0 | 55 | 12.8 | 1970 |
| 17 | 67.3 | 19.6 | 72.1 | 22.3 | 80 | 26.7 | 1966 | 62.5 | 16.9 | 58 | 14.4 | 1977* |
| 18 | 67.0 | 19.4 | 72.2 | 22.3 | 79 | 26.1 | 1966 | 61.8 | 16.6 | 54 | 12.2 | 1973 |
| 19 | 66.7 | 19.3 | 72.5 | 22.5 | 77 | 25.0 | 1959 | 61.0 | 16.1 | 52 | 11.1 | 1970 |
| 20 | 66.6 | 19.2 | 72.3 | 22.4 | 76 | 24.4 | 1967* | 61.0 | 16.1 | 52 | 11.1 | 1970 |
| 21 | 66.7 | 19.3 | 72.2 | 22.3 | 76 | 24.4 | 1965 | 61.1 | 16.2 | 54 | 12.2 | 1965* |
| 22 | 66.6 | 19.2 | 72.9 | 22.7 | 78 | 25.6 | 1965 | 60.3 | 15.7 | 55 | 12.8 | 1972* |
| 23 | 67.7 | 19.8 | 74.9 | 23.8 | 107 | 41.7 | 1973 | 60.3 | 15.8 | 51 | 10.6 | 1970 |
| 24 | 67.4 | 19.7 | 73.7 | 23.2 | 91 | 32.8 | 1968 | 61.1 | 16.2 | 52 | 11.1 | 1970 |
| 25 | 67.5 | 19.7 | 74.2 | 23.4 | 90 | 32.2 | 1963 | 60.7 | 15.9 | 53 | 11.7 | 1945 |
| 26 | 67.5 | 19.7 | 74.5 | 23.6 | 108 | 42.2 | 1963 | 60.5 | 15.8 | 51 | 10.6 | 1945 |
| 27 | 68.3 | 20.2 | 74.4 | 23.6 | 100 | 37.8 | 1963 | 62.2 | 16.8 | 53 | 11.7 | 1971 |
| 28 | 67.9 | 19.9 | 74.4 | 23.6 | 92 | 33.3 | 1970 | 61.4 | 16.3 | 51 | 10.6 | 1971* |
| 29 | 67.5 | 19.7 | 73.5 | 23.1 | 85 | 29.4 | 1945 | 61.3 | 16.4 | 52 | 11.1 | 1965 |
| 30 | 66.9 | 19.4 | 72.7 | 22.6 | 86 | 30.0 | 1945 | 61.1 | 16.2 | 55 | 12.8 | 1971 |
| 31 | | | | | | | | | | | | |
| Monthly | 67.8 | 19.9 | 73.5 | 23.1 | 108 | 42.2 | 1963 | 62.2 | 16.8 | 51 | 10.6 | 1971* |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1975

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1956-1977

OCTOBER

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|------|---------|------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | DATE |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C |
| 1 | 66.6 | 19.2 | 72.8 | 22.7 | 87 | 30.6 | 1955* | | 60.3 | 15.7 | 50 | 10.0 |
| 2 | 66.9 | 19.4 | 73.6 | 23.1 | 92 | 33.3 | 1945 | | 60.2 | 15.7 | 51 | 10.6 |
| 3 | 65.3 | 18.5 | 71.7 | 22.1 | 78 | 25.6 | 1945 | | 59.0 | 15.0 | 51 | 10.6 |
| 4 | 65.4 | 18.6 | 72.0 | 22.2 | 80 | 26.7 | 1964 | | 58.7 | 14.8 | 51 | 10.6 |
| 5 | 65.8 | 18.8 | 72.6 | 22.6 | 90 | 32.2 | 1960 | | 59.0 | 15.0 | 53 | 11.7 |
| 6 | 66.3 | 19.2 | 72.7 | 22.6 | 89 | 31.7 | 1971 | | 60.3 | 15.7 | 52 | 11.1 |
| 7 | 65.6 | 18.7 | 72.6 | 22.6 | 85 | 29.4 | 1967 | | 58.7 | 14.8 | 50 | 10.0 |
| 8 | 64.4 | 18.0 | 71.7 | 22.1 | 82 | 27.8 | 1976 | | 57.1 | 13.9 | 45 | 7.2 |
| 9 | 64.5 | 18.1 | 70.9 | 21.6 | 83 | 28.3 | 1976 | | 58.1 | 14.5 | 50 | 10.0 |
| 10 | 63.6 | 17.6 | 70.6 | 21.4 | 85 | 29.4 | 1971 | | 56.7 | 13.7 | 49 | 9.4 |
| 11 | 64.0 | 17.8 | 70.9 | 21.6 | 84 | 28.9 | 1971 | | 57.2 | 14.0 | 49 | 9.4 |
| 12 | 63.3 | 17.4 | 69.7 | 20.9 | 74 | 23.3 | 1977* | | 57.1 | 13.9 | 49 | 9.4 |
| 13 | 63.9 | 17.7 | 70.9 | 21.6 | 77 | 25.0 | 1961 | | 57.0 | 13.9 | 51 | 10.6 |
| 14 | 65.6 | 18.7 | 73.0 | 22.8 | 105 | 40.6 | 1961 | | 58.2 | 14.6 | 49 | 9.4 |
| 15 | 66.1 | 18.9 | 74.2 | 23.4 | 93 | 33.9 | 1961 | | 58.0 | 14.4 | 49 | 9.4 |
| 16 | 65.1 | 18.4 | 73.3 | 22.9 | 97 | 36.1 | 1958 | | 56.9 | 13.8 | 49 | 9.4 |
| 17 | 64.9 | 18.3 | 72.6 | 22.6 | 97 | 36.1 | 1958 | | 57.2 | 14.0 | 48 | 8.9 |
| 18 | 64.2 | 17.9 | 71.2 | 21.8 | 89 | 31.7 | 1958 | | 57.0 | 13.9 | 48 | 8.9 |
| 19 | 63.6 | 17.6 | 70.9 | 21.6 | 93 | 35.0 | 1964 | | 56.2 | 13.4 | 48 | 8.9 |
| 20 | 64.0 | 17.8 | 71.5 | 21.9 | 95 | 35.0 | 1964 | | 56.5 | 13.6 | 48 | 8.9 |
| 21 | 64.3 | 17.9 | 72.0 | 22.2 | 96 | 35.6 | 1965 | | 56.6 | 13.7 | 49 | 9.4 |
| 22 | 63.5 | 17.5 | 70.8 | 21.6 | 102 | 38.9 | 1965 | | 56.2 | 13.4 | 48 | 8.9 |
| 23 | 63.3 | 17.4 | 70.5 | 21.4 | 91 | 32.8 | 1965 | | 56.1 | 13.4 | 49 | 9.4 |
| 24 | 63.2 | 17.3 | 71.9 | 22.2 | 89 | 31.7 | 1965 | | 54.6 | 12.6 | 48 | 8.9 |
| 25 | 62.0 | 16.7 | 70.5 | 21.4 | 86 | 30.0 | 1966 | | 53.6 | 12.0 | 46 | 7.8 |
| 26 | 61.9 | 16.6 | 69.6 | 20.9 | 79 | 26.1 | 1965 | | 54.3 | 12.4 | 46 | 7.8 |
| 27 | 62.1 | 16.7 | 70.1 | 21.2 | 80 | 26.7 | 1963 | | 54.1 | 12.3 | 46 | 7.8 |
| 28 | 62.6 | 17.0 | 70.2 | 21.2 | 85 | 29.4 | 1973 | | 55.0 | 12.8 | 42 | 5.6 |
| 29 | 60.8 | 16.0 | 69.2 | 20.7 | 80 | 26.7 | 1965 | | 52.9 | 11.4 | 35 | 1.7 |
| 30 | 61.5 | 16.4 | 70.8 | 21.6 | 83 | 28.3 | 1958 | | 52.2 | 11.2 | 37 | 2.8 |
| 31 | 60.7 | 15.9 | 69.5 | 20.8 | 81 | 27.2 | 1967 | | 51.8 | 11.0 | 41 | 5.0 |
| Monthly | 64.1 | 17.8 | 71.4 | 21.9 | 105 | 40.6 | 1961 | | 56.7 | 13.7 | 35 | 1.7 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115 IMPERIAL BEACH, CA. 1945-1949 1955-1977 NOVEMBER
STATION STATION NAME YEARS MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | |
|---------|-----------|------|--------------|------|---------|------|-------|---------|--------------|---------|-----|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | |
| 1 | 61.1 | 16.2 | 70.2 | 21.2 | 98 | 36.7 | 1966 | 52.0 | 11.1 | 39 | 3.9 | 1971 |
| 2 | 60.9 | 16.1 | 69.4 | 20.8 | 91 | 32.8 | 1966 | 52.3 | 11.3 | 43 | 7.2 | 1972* |
| 3 | 60.6 | 15.9 | 68.9 | 20.5 | 90 | 32.2 | 1976 | 52.2 | 11.2 | 43 | 7.2 | 1972* |
| 4 | 60.7 | 15.9 | 68.7 | 20.4 | 99 | 37.2 | 1976 | 52.6 | 11.4 | 41 | 5.0 | 1956 |
| 5 | 61.4 | 16.3 | 70.0 | 21.1 | 97 | 36.1 | 1976 | 52.7 | 11.5 | 42 | 5.6 | 1956 |
| 6 | 61.2 | 16.2 | 70.0 | 21.1 | 83 | 29.4 | 1976 | 52.4 | 11.3 | 43 | 6.1 | 1973 |
| 7 | 60.8 | 16.0 | 69.1 | 20.6 | 85 | 29.4 | 1956 | 52.4 | 11.3 | 40 | 4.4 | 1947 |
| 8 | 59.9 | 15.5 | 68.4 | 20.2 | 82 | 27.8 | 1956 | 51.4 | 10.8 | 43 | 6.1 | 1957 |
| 9 | 61.0 | 16.1 | 69.7 | 20.9 | 95 | 35.0 | 1956 | 52.3 | 11.3 | 42 | 5.6 | 1943 |
| 10 | 59.7 | 15.4 | 68.3 | 20.2 | 88 | 31.1 | 1956 | 51.3 | 10.8 | 42 | 5.6 | 1943 |
| 11 | 59.6 | 15.3 | 67.8 | 19.9 | 91 | 32.8 | 1974 | 51.6 | 10.9 | 42 | 5.6 | 1947 |
| 12 | 60.0 | 15.6 | 68.4 | 20.2 | 96 | 35.6 | 1974 | 51.3 | 10.8 | 43 | 6.1 | 1956 |
| 13 | 59.6 | 15.3 | 68.0 | 20.0 | 84 | 28.9 | 1973 | 51.3 | 10.7 | 40 | 4.4 | 1943 |
| 14 | 58.9 | 14.9 | 66.6 | 19.2 | 79 | 26.1 | 1970 | 51.2 | 10.7 | 42 | 5.6 | 1964 |
| 15 | 58.6 | 14.8 | 66.0 | 18.9 | 83 | 28.3 | 1970 | 51.1 | 10.6 | 36 | 2.2 | 1964 |
| 16 | 57.9 | 14.4 | 66.1 | 18.9 | 78 | 25.6 | 1976 | 49.7 | 9.8 | 36 | 2.2 | 1956 |
| 17 | 58.0 | 14.4 | 67.0 | 19.4 | 85 | 29.4 | 1976 | 49.0 | 9.4 | 41 | 5.0 | 1938 |
| 18 | 57.5 | 14.2 | 65.8 | 18.8 | 84 | 28.9 | 1976 | 49.2 | 9.6 | 41 | 5.0 | 1943 |
| 19 | 57.8 | 14.3 | 66.3 | 19.1 | 72 | 22.2 | 1969* | 49.2 | 9.6 | 40 | 4.4 | 1964* |
| 20 | 57.6 | 14.2 | 67.3 | 19.6 | 79 | 26.1 | 1969 | 47.8 | 8.8 | 38 | 3.3 | 1973* |
| 21 | 58.2 | 14.6 | 67.3 | 19.7 | 79 | 26.1 | 1943 | 48.9 | 9.4 | 36 | 2.2 | 1956 |
| 22 | 56.4 | 13.6 | 65.8 | 18.8 | 76 | 24.4 | 1959 | 47.1 | 8.4 | 38 | 3.3 | 1943 |
| 23 | 56.6 | 13.7 | 66.4 | 19.1 | 73 | 23.9 | 1973 | 46.8 | 8.2 | 38 | 3.3 | 1947* |
| 24 | 57.4 | 14.1 | 68.0 | 20.0 | 89 | 31.7 | 1974 | 46.8 | 8.2 | 38 | 3.3 | 1947 |
| 25 | 57.6 | 14.2 | 67.4 | 19.7 | 84 | 28.9 | 1977 | 47.8 | 8.8 | 41 | 5.0 | 1973* |
| 26 | 58.1 | 14.5 | 67.1 | 19.5 | 85 | 29.4 | 1956 | 49.1 | 9.5 | 41 | 5.0 | 1953* |
| 27 | 57.1 | 13.9 | 66.2 | 19.0 | 78 | 25.6 | 1959 | 48.0 | 8.9 | 39 | 3.9 | 1943 |
| 28 | 56.8 | 13.8 | 66.5 | 19.2 | 78 | 25.6 | 1958 | 47.1 | 8.4 | 35 | 1.7 | 1976 |
| 29 | 57.9 | 14.4 | 68.1 | 20.1 | 78 | 25.6 | 1977* | 47.7 | 8.7 | 37 | 2.8 | 1957 |
| 30 | 57.9 | 14.4 | 67.2 | 19.6 | 79 | 26.1 | 1959 | 48.6 | 9.2 | 40 | 4.4 | 1973 |
| 31 | | | | | | | | | | | | |
| Monthly | 58.9 | 14.9 | 67.7 | 19.8 | 99 | 37.2 | 1976 | 50.0 | 10.0 | 33 | 1.7 | 1976 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93115

IMPERIAL BEACH, CA.

1945-1949 1955-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

525 DAILY AVERAGE/EXTREME TEMP MAR 1978

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|-----|---------|------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C |
| 1 | 57.0 | 13.9 | 66.3 | 19.1 | 80 | 26.7 | 1977* | | 47.7 | 8.7 | 39 | 3.9 |
| 2 | 57.8 | 14.3 | 67.4 | 19.7 | 83 | 28.3 | 1959 | | 48.1 | 8.9 | 40 | 4.4 |
| 3 | 56.3 | 13.5 | 65.8 | 18.8 | 83 | 28.3 | 1958 | | 46.8 | 8.2 | 38 | 3.3 |
| 4 | 55.9 | 13.3 | 64.2 | 17.9 | 71 | 21.7 | 1968 | | 47.6 | 8.7 | 37 | 2.8 |
| 5 | 56.7 | 13.7 | 65.0 | 18.3 | 81 | 27.2 | 1965 | | 48.4 | 9.1 | 41 | 5.0 |
| 6 | 55.8 | 13.2 | 64.5 | 18.1 | 77 | 25.0 | 1977 | | 47.1 | 8.4 | 38 | 3.3 |
| 7 | 55.3 | 12.9 | 64.7 | 18.2 | 73 | 22.8 | 1959 | | 45.9 | 7.7 | 34 | 1.1 |
| 8 | 55.1 | 12.8 | 64.5 | 18.1 | 75 | 23.9 | 1974* | | 45.7 | 7.6 | 33 | 0.6 |
| 9 | 54.5 | 12.5 | 63.1 | 17.3 | 80 | 26.7 | 1957 | | 45.8 | 7.7 | 31 | -0.6 |
| 10 | 54.7 | 12.6 | 63.4 | 17.4 | 77 | 25.0 | 1958 | | 46.0 | 7.8 | 41 | 5.0 |
| 11 | 55.1 | 12.8 | 64.0 | 17.8 | 79 | 26.1 | 1958 | | 46.1 | 7.8 | 37 | 2.8 |
| 12 | 54.5 | 12.5 | 64.1 | 17.8 | 78 | 25.6 | 1976 | | 45.0 | 7.2 | 36 | 2.2 |
| 13 | 54.0 | 12.2 | 63.8 | 17.7 | 79 | 26.1 | 1976 | | 44.2 | 6.8 | 36 | 2.2 |
| 14 | 53.0 | 11.7 | 62.8 | 17.1 | 79 | 26.1 | 1958 | | 43.1 | 6.2 | 33 | 0.6 |
| 15 | 54.6 | 12.6 | 64.3 | 17.9 | 84 | 28.9 | 1958 | | 44.9 | 7.2 | 39 | 3.9 |
| 16 | 55.1 | 12.8 | 64.8 | 18.2 | 81 | 27.2 | 1976 | | 45.4 | 7.4 | 36 | 2.2 |
| 17 | 54.7 | 12.6 | 64.0 | 17.8 | 79 | 26.1 | 1956 | | 45.4 | 7.4 | 35 | 1.7 |
| 18 | 54.1 | 12.3 | 62.5 | 16.9 | 73 | 22.8 | 1974* | | 45.7 | 7.6 | 35 | 1.7 |
| 19 | 54.7 | 12.6 | 63.8 | 17.7 | 74 | 23.3 | 1959 | | 45.8 | 7.7 | 37 | 2.8 |
| 20 | 55.7 | 13.2 | 65.3 | 18.5 | 81 | 27.2 | 1960 | | 46.1 | 7.8 | 37 | 2.8 |
| 21 | 55.0 | 12.8 | 63.6 | 17.6 | 74 | 23.3 | 1977 | | 46.3 | 8.1 | 33 | 0.6 |
| 22 | 54.9 | 12.7 | 63.0 | 17.2 | 77 | 25.0 | 1976 | | 47.4 | 8.6 | 34 | 1.1 |
| 23 | 55.2 | 12.9 | 63.6 | 17.6 | 74 | 23.3 | 1963 | | 46.9 | 8.3 | 37 | 2.8 |
| 24 | 54.5 | 12.5 | 63.4 | 17.4 | 74 | 23.3 | 1947 | | 45.6 | 7.6 | 35 | 1.7 |
| 25 | 54.8 | 12.7 | 64.7 | 18.2 | 78 | 25.6 | 1972* | | 44.9 | 7.2 | 33 | 0.6 |
| 26 | 54.3 | 12.4 | 63.2 | 17.3 | 78 | 25.6 | 1976 | | 45.3 | 7.4 | 35 | 1.7 |
| 27 | 54.8 | 12.7 | 64.0 | 17.8 | 82 | 27.8 | 1947 | | 45.6 | 7.6 | 38 | 3.3 |
| 28 | 54.1 | 12.3 | 62.6 | 17.0 | 74 | 23.3 | 1956 | | 45.6 | 7.6 | 37 | 2.8 |
| 29 | 53.9 | 12.2 | 62.9 | 17.2 | 85 | 29.4 | 1963 | | 45.0 | 7.2 | 36 | 2.2 |
| 30 | 52.2 | 11.2 | 61.7 | 16.5 | 76 | 24.4 | 1963 | | 42.7 | 5.9 | 35 | 1.7 |
| 31 | 54.0 | 12.2 | 64.4 | 18.0 | 78 | 25.6 | 1958 | | 43.5 | 6.4 | 38 | 3.3 |
| Monthly | 54.9 | 12.7 | 64.1 | 17.8 | 85 | 29.4 | 1963 | | 45.8 | 7.7 | 31 | -0.6 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-49, 55-77
YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 45 | | | | | | 70 | 75 | 77 | 86 | 92 | | 73 | |
| 46 | | | 77 | 79 | 70 | | | | | | | | |
| 47 | | | | 90 | 70 | | 79 | | 73 | 74 | 73 | | |
| 48 | | | | 82 | 70 | 71 | 74 | 73 | | | | | |
| 49 | 81 | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | 72 | |
| 56 | 72 | 66 | 72 | 67 | 88 | 75 | 74 | 79 | 85 | 79 | 95 | 79 | 95 |
| 57 | 69 | 78 | 72 | 69 | 70 | 89 | 79 | 83 | 76 | 80 | 79 | 80 | 89 |
| 58 | 78 | 79 | 66 | 83 | 83 | 75 | 77 | 79 | 91 | 97 | 78 | 84 | 97 |
| 59 | 74 | 69 | 64 | 79 | 72 | 73 | 82 | 78 | 99 | 80 | 82 | 83 | 99 |
| 60 | 74 | 69 | 81 | 82 | 75 | 72 | 79 | 77 | 82 | 90 | 74 | 81 | 90 |
| 61 | 83 | 74 | 76 | 81 | 71 | 72 | 75 | 80 | 86 | 105 | 81 | 70 | 105 |
| 62 | 82 | 66 | 66 | 76 | 70 | 71 | 72 | 77 | 80 | 82 | 69 | 70 | 82 |
| 63 | 80 | 83 | 70 | 66 | 69 | 71 | 73 | 77 | 108 | 80 | 76 | 85 | 108 |
| 64 | 75 | 74 | 79 | 83 | 69 | 70 | 76 | 76 | 75 | 95 | 81 | 67 | 95 |
| 65 | 80 | 77 | 71 | 74 | 69 | 67 | 71 | 85 | 82 | 102 | 73 | 81 | 102 |
| 66 | 75 | 73 | 78 | 75 | 71 | 75 | 77 | 79 | 80 | 86 | 98 | 73 | 98 |
| 67 | 74 | 78 | 77 | 69 | 92 | 71 | 79 | 80 | 97 | 95 | 74 | 76 | 97 |
| 68 | 80 | 78 | 79 | 88 | 72 | 71 | 84 | 82 | 91 | 85 | 76 | 76 | 91 |
| 69 | 78 | 75 | 75 | 74 | 70 | 71 | 74 | 77 | 74 | 79 | 80 | 78 | 80 |
| 70 | 74 | 76 | 70 | 72 | | 73 | 77 | | 95 | 79 | 83 | 71 | |
| 71 | 79 | 77 | 73 | 79 | 73 | 69 | 71 | 77 | | 89 | 72 | 67 | |
| 72 | 71 | 78 | 71 | 73 | 72 | 75 | 80 | 86 | 78 | 75 | 71 | 78 | 86 |
| 73 | 69 | 73 | 66 | 78 | 77 | 80 | 73 | 79 | 87 | 85 | 69 | 75 | 87 |
| 74 | 70 | 82 | 69 | 78 | 70 | 77 | 85 | 79 | 81 | 87 | 96 | 75 | 96 |
| 75 | 81 | 72 | 69 | 66 | 67 | 69 | 74 | 73 | 107 | 81 | 84 | 74 | 107 |
| 76 | | 80 | 79 | 70 | 71 | | | | | | | 82 | |
| 77 | 83 | 81 | 78 | 72 | 75 | | | | | | 84 | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 76.5 | 75.4 | 73.8 | 76.2 | 73.2 | 73.0 | 76.5 | 78.7 | 86.6 | 86.2 | 79.5 | 76.1 | 94.7 |
| S. D. | 4.564 | 4.806 | 5.131 | 6.564 | 6.155 | 4.624 | 3.883 | 3.288 | 9.907 | 8.519 | 8.279 | 5.274 | 8.080 |
| TOTAL OBS. | 682 | 622 | 713 | 750 | 744 | 660 | 713 | 651 | 630 | 682 | 660 | 713 | 6220 |

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-49, 55-77

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

523 Extreme Values Jan 1969

2

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-49, 55-77
YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 45 | | | | | | 54 | | 60 | 51 | 47 | | 33 | |
| 46 | 28 | | 41 | 44 | 48 | | | | | | | | |
| 47 | | | | 45 | 52 | | 55 | | 55 | 48 | 38 | | |
| 48 | | | | 39 | 46 | 51 | 52 | 58 | | | | | |
| 49 | 29 | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | 36 | |
| 56 | 36 | 35 | 36 | 43 | 46 | 51 | 60 | 56 | 55 | 43 | 36 | 31 | 31 |
| 57 | 38 | 40 | 37 | 42 | 49 | 55 | 59 | 56 | 54 | 49 | 37 | 37 | 37 |
| 58 | 38 | 42 | 39 | 44 | 50 | 55 | 60 | 63 | 55 | 51 | 41 | 35 | 35 |
| 59 | 40 | 39 | 45 | 51 | 49 | 57 | 63 | 58 | 61 | 48 | 45 | 39 | 39 |
| 60 | 36 | 38 | 44 | 47 | 50 | 57 | 57 | 61 | 56 | 50 | 43 | 33 | 33 |
| 61 | 38 | 41 | 46 | 47 | 51 | 54 | 58 | 64 | 54 | 49 | 40 | 40 | 38 |
| 62 | 38 | 39 | 37 | 49 | 47 | 54 | 58 | 60 | 56 | 51 | 44 | 38 | 37 |
| 63 | 27 | 46 | 42 | 44 | 50 | 53 | 58 | 60 | 62 | 53 | 45 | 38 | 27 |
| 64 | 38 | 38 | 40 | 44 | 47 | 51 | 55 | 60 | 55 | 50 | 36 | 37 | 36 |
| 65 | 38 | 37 | 43 | 43 | 49 | 51 | 57 | 60 | 52 | 50 | 46 | 41 | 37 |
| 66 | 37 | 38 | 35 | 44 | 51 | 53 | 59 | 63 | 52 | 49 | 42 | 36 | 35 |
| 67 | 36 | 39 | 41 | 42 | 44 | 48 | 59 | 62 | 61 | 50 | 48 | 37 | 36 |
| 68 | 36 | 44 | 43 | 45 | 47 | 54 | 53 | 61 | 55 | 49 | 41 | 33 | 33 |
| 69 | 39 | 43 | 42 | 50 | 53 | 57 | 55 | 63 | 60 | 53 | 50 | 42 | 39 |
| 70 | 40 | 44 | 44 | 45 | | 53 | 60 | | 51 | 42 | 42 | 38 | |
| 71 | 26 | 38 | 33 | 41 | 46 | 46 | 54 | 56 | | 35 | 39 | 33 | |
| 72 | 29 | 43 | 46 | 46 | 52 | 55 | 60 | 58 | 55 | 41 | 45 | 41 | 29 |
| 73 | 41 | 47 | | 44 | 52 | 55 | 55 | 57 | 54 | 47 | 41 | 37 | |
| 74 | 39 | 37 | 40 | 44 | 54 | 59 | 59 | 62 | 61 | 56 | 45 | 33 | 33 |
| 75 | 39 | 33 | 40 | 46 | 48 | | 55 | 58 | 60 | | 38 | 36 | |
| 76 | | 43 | 39 | 41 | 52 | | | | | | | | |
| 77 | 39 | 36 | 40 | 42 | 50 | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 35.9 | 40.0 | 40.6 | 44.5 | 49.3 | 53.5 | 57.3 | 59.8 | 56.0 | 48.1 | 42.0 | 36.5 | 34.7 |
| S. D. | 4.576 | 3.625 | 3.514 | 2.815 | 2.579 | 3.076 | 2.750 | 2.502 | 3.485 | 4.651 | 3.886 | 3.019 | 3.478 |
| TOTAL OBS. | 713 | 622 | 682 | 750 | 744 | 630 | 682 | 651 | 630 | 651 | 630 | 682 | 8067 |

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

45-49, 55-77
YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------------|
| 45 | | | | 34 29 | | | 58 30 | | | | 38 29 | | MIN TEMP DAYS |
| 46 | | 32 27 | | | | | | | | | | | MIN TEMP DAYS |
| 47 | 27 22 | 41 23 | 41 29 | | | | | | | | | 35 30 | MIN TEMP DAYS |
| 55 | | | | | | | | | | | 40 22 | | MIN TEMP DAYS |
| 70 | | | | | 51 25 | | | 61 18 | | | | | MIN TEMP DAYS |
| 71 | | | | | | | | | 51 28 | | | | MIN TEMP DAYS |
| 73 | | | 43 30 | | | | | | | | | | MIN TEMP DAYS |
| 75 | | | | | | 54 28 | | | | 48 30 | | | MIN TEMP DAYS |
| 76 | 32 28 | | | | | 55 7 | 0 | 58 14 | 61 25 | 46 30 | 35 29 | 40 29 | MIN TEMP DAYS |
| 77 | | | | | | 54 25 | 54 23 | 60 19 | 56 23 | 54 24 | 44 27 | 47 25 | MIN TEMP DAYS |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

NAVWEASERVCOM

5723 Extreme Values Jan 1969

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 84/ 83 | | | | | | | | | | | | | | .1 | | | | | | 1 | 1 | | | |
| 82/ 81 | | | | | | | | | | | | | | | .1 | .1 | .1 | .1 | | 3 | 3 | | | |
| 78/ 77 | | | | | | | | | | .1 | | | | | .1 | | | | | 2 | 2 | | | |
| 76/ 75 | | | | | | | | | | | .4 | | | .4 | .1 | | | | | 7 | 7 | | | |
| 74/ 73 | | | | | | | | .1 | | | | .1 | .3 | .3 | | | | | | 6 | 6 | | | |
| 72/ 71 | | | | | | | .1 | .4 | .3 | .1 | .1 | | | | | | | | | 8 | 8 | | | |
| 70/ 69 | | | | | | | .3 | .1 | .3 | .1 | .4 | | | | | | | | | 9 | 9 | | | |
| 68/ 67 | | | | | | .1 | .5 | .5 | .3 | .1 | .1 | | | | | | | | | 13 | 13 | | | |
| 66/ 65 | | | | .1 | .3 | 1.1 | 1.3 | | .9 | .4 | | | | | | | | | | 31 | 31 | | | |
| 64/ 63 | | | .9 | 1.2 | 2.8 | 1.3 | .5 | .7 | .3 | | | | | | | | | | | 58 | 58 | | | |
| 62/ 61 | | .9 | 1.3 | 3.7 | 3.1 | 1.7 | .8 | .3 | .1 | | | | | | | | | | | 92 | 92 | 2 | | |
| 60/ 59 | | 2.0 | 3.7 | 3.2 | 2.0 | 1.5 | .9 | .8 | .1 | | | | | | | | | | | 107 | 107 | 22 | 3 | |
| 58/ 57 | | 1.5 | 3.4 | 3.6 | 1.3 | 1.9 | .3 | .8 | | | | | | | | | | | | 96 | 96 | 59 | 19 | |
| 56/ 55 | .4 | 1.6 | 2.7 | 3.2 | 1.6 | .5 | .5 | .3 | | | | | | | | | | | | 81 | 81 | 114 | 29 | |
| 54/ 53 | .4 | 1.9 | 2.0 | 1.2 | .8 | .8 | .4 | .3 | | | | | | | | | | | | 58 | 58 | 124 | 54 | |
| 52/ 51 | .7 | 2.3 | 1.3 | 1.9 | .5 | .5 | .1 | .1 | | | | | | | | | | | | 56 | 56 | 101 | 74 | |
| 50/ 49 | .4 | 1.2 | 1.2 | .5 | .3 | .9 | | | | | | | | | | | | | | 34 | 34 | 102 | 89 | |
| 48/ 47 | .4 | 1.6 | .1 | .3 | .4 | .1 | | | | | | | | | | | | | | 22 | 22 | 63 | 82 | |
| 46/ 45 | | 1.3 | .5 | .5 | .4 | .1 | | | | | | | | | | | | | | 22 | 22 | 51 | 67 | |
| 44/ 43 | .1 | .7 | .8 | .7 | .5 | | | | | | | | | | | | | | | 21 | 21 | 33 | 67 | |
| 42/ 41 | .3 | .5 | .8 | .8 | .1 | | | | | | | | | | | | | | | 19 | 19 | 30 | 52 | |
| 40/ 39 | | .1 | .4 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 24 | 36 | |
| 38/ 37 | | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 14 | 28 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 13 | 32 | |
| 34/ 33 | | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | | 24 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | 20 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 2 | 23 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | 16 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | 17 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY JAN 68

NAVJAGSERV.COM

5-55 PSYCHROMETRIC SUMMA JAN 68

HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

93115 IMPERIAL BEACH, CALIFORNIA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 78/ 77 | | | | | | | | | | | | .1 | .1 | .3 | | | | 4 | 4 | | | | | |
| 76/ 75 | | | | | | | | | | | .4 | .3 | | .1 | | | | 6 | 6 | | | | | |
| 74/ 73 | | | | | | | | | .1 | .3 | .1 | | .1 | | | | | 5 | 5 | | | | | |
| 72/ 71 | | | | | | | .3 | | | | .3 | .4 | | | | | | 7 | 7 | | | | | |
| 70/ 69 | | | | | | .1 | .1 | .1 | | | | | | | | | | 3 | 3 | | | | | |
| 68/ 67 | | | | | .6 | .3 | .7 | .3 | | .1 | .4 | .3 | | | | | | 19 | 19 | | | | | |
| 66/ 65 | | | .1 | .7 | 1.5 | 1.6 | .4 | .1 | .3 | .4 | | | | | | | | 36 | 36 | | | | | |
| 64/ 63 | | .1 | .6 | 1.5 | 2.8 | .6 | .4 | .1 | | .3 | | | | | | | | 44 | 44 | | | | | |
| 62/ 61 | | .4 | 2.8 | 3.3 | 3.7 | .4 | .7 | .1 | .6 | .1 | | | | | | | | 83 | 83 | 4 | | | | |
| 60/ 59 | .3 | 2.2 | 5.4 | 5.1 | 1.5 | 1.5 | .6 | | .1 | .4 | | | | | | | | 115 | 116 | 29 | | | | |
| 58/ 57 | .6 | 3.0 | 5.4 | 3.1 | 1.3 | .9 | .3 | .4 | | | | | | | | | | 101 | 101 | 77 | | | | |
| 56/ 55 | 1.2 | 4.5 | 3.3 | 1.5 | .4 | .1 | | | .3 | | | | | | | | | 76 | 76 | 145 | | | | |
| 54/ 53 | 1.8 | 3.0 | 1.3 | 1.3 | .7 | | | .1 | | | | | | | | | | 56 | 56 | 138 | | | | |
| 52/ 51 | 1.2 | 1.2 | 1.2 | .3 | .3 | | .3 | | | | | | | | | | | 30 | 30 | 78 | | | | |
| 50/ 49 | .4 | 1.3 | 1.0 | .7 | .1 | .3 | | | | | | | | | | | | 27 | 27 | 58 | | | | |
| 48/ 47 | .3 | 1.3 | .9 | .4 | .1 | .1 | | | | | | | | | | | | 22 | 22 | 48 | | | | |
| 46/ 45 | | .4 | .3 | .1 | .6 | .3 | | | | | | | | | | | | 12 | 12 | 34 | | | | |
| 44/ 43 | | .4 | | .7 | .3 | | | | | | | | | | | | | 10 | 10 | 15 | | | | |
| 42/ 41 | | .6 | | .6 | | | | | | | | | | | | | | 8 | 8 | 14 | | | | |
| 40/ 39 | | .4 | | | .3 | | | | | | | | | | | | | 5 | 5 | 11 | | | | |
| 38/ 37 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 12 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

FEB

YEARS

MONTH

PAGE 2

HOURS (L-S-T)

[illegible]

PSYCHROMETRIC SUMMARY

93115 IMPERIAL BEACH, CALIFORNIA

73-77

MAR

PAGE 1

HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 78/ 77 | | | | | | | | | | | | | .1 | | | | | 1 | 1 | | | | | |
| 74/ 73 | | | | | | | | | .1 | .1 | | | | | | | | 2 | 2 | | | | | |
| 72/ 71 | | | | | | | | | | .1 | | | .1 | | | | | 2 | 2 | | | | | |
| 70/ 69 | | | | | | | .1 | .1 | .3 | .3 | .1 | | .1 | | | | | 7 | 7 | | | | | |
| 68/ 67 | | | | | | .4 | .1 | .1 | | | | | | | | | | 5 | 5 | | | | | |
| 66/ 65 | | | .1 | .3 | .1 | .5 | .1 | .3 | | | .1 | | | | | | | 12 | 12 | | | | | |
| 64/ 63 | | | .5 | 1.4 | 2.0 | 2.3 | .1 | .4 | .3 | .1 | | | | | | | | 53 | 53 | | | | | |
| 62/ 61 | | .5 | 1.9 | 4.9 | 5.7 | 2.0 | .9 | .3 | .1 | | | | | | | | | 121 | 121 | 1 | | | | |
| 60/ 59 | .1 | 1.1 | 3.8 | 5.8 | 3.5 | 2.0 | 2.0 | .4 | .1 | | | | | | | | | 140 | 140 | 12 | 2 | | | |
| 58/ 57 | .1 | 1.6 | 5.2 | 4.6 | 2.7 | 1.4 | .5 | .1 | | | | | | | | | | 120 | 120 | 51 | 12 | | | |
| 56/ 55 | | 2.6 | 5.7 | 3.1 | 1.5 | .8 | | .1 | | | | | | | | | | 102 | 102 | 116 | 24 | | | |
| 54/ 53 | .3 | 1.9 | 3.0 | 1.8 | .7 | .8 | | .1 | | | | | | | | | | 63 | 63 | 175 | 63 | | | |
| 52/ 51 | | 1.8 | 1.6 | 1.1 | .7 | .1 | | | | | | | | | | | | 39 | 39 | 128 | 81 | | | |
| 50/ 49 | | .9 | 1.2 | .4 | | | | | | | | | | | | | | 19 | 19 | 94 | 106 | | | |
| 48/ 47 | .1 | .8 | 1.2 | .4 | .3 | | .1 | | | | | | | | | | | 22 | 22 | 67 | 128 | | | |
| 46/ 45 | | .1 | .7 | .4 | | .1 | | | | | | | | | | | | 10 | 10 | 41 | 83 | | | |
| 44/ 43 | .1 | .5 | .4 | | .3 | | | | | | | | | | | | | 10 | 10 | 20 | 38 | | | |
| 42/ 41 | .1 | .1 | .4 | .3 | | | | | | | | | | | | | | 7 | 7 | 16 | 52 | | | |
| 40/ 39 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 8 | 38 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 29 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 6 | 34 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 18 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| TOTAL | .9 | 12.1 | 25.8 | 24.6 | 17.6 | 10.6 | 4.2 | 2.0 | .9 | .7 | .3 | | .3 | | | | | 737 | 737 | 737 | 737 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | |
| Rel. Hum. | 3536579 | | 49733 | | 67.5 | | 15.663 | | 737 | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | 744.0 | | | | | | | |
| Dry Bulb | 2447134 | | 42298 | | 57.4 | | 5.153 | | 737 | | | | 17.2 | 3.0 | | | 744.0 | | | | | | | |
| Wet Bulb | 1966281 | | 37931 | | 51.5 | | 4.376 | | 737 | | | | | | | | 744.0 | | | | | | | |
| Dew Point | 1583188 | | 33780 | | 45.8 | | 6.886 | | 737 | | | | 27.3 | | | | 744.0 | | | | | | | |

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY JAN 68

5:25 PSYCHROMETRIC SUMMA JAN 68

HOURS (L.S.T.)

[illegible]

05 PSYCHROMETRIC SUMM JAN 68

HOURS (L.S.T.)

YEARS

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

IMPERIAL BEACH, CALIFORNIA

73-77

JUN

STATION NAME

YEARS

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PAGE 1

HOURS (L.S.T.)

[illegible]

05 PSYCHROMETRIC SUMMA JAN 68

HOURS (L.S.T.)

YEARS

[illegible]

PSYCHROMETRIC SUMMARY

IMPERIAL BEACH, CALIFORNIA

YEARS

MONTH

HOURS (L.S.T.)

[illegible]

575 PSYCHROMETRIC SUMMA JAN 68

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

5

PSYCHROMETRIC SUMM

JAN 68

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| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|----------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 108/ 107 | | | | | | | | | | | | | | | | | | .1 | 1 | 1 | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | | .1 | 1 | 1 | | | | |
| 88/ 87 | | | | | | | | | | | | | | .1 | | | | | 1 | 1 | | | | |
| 86/ 85 | | | | | | | | | | | | .1 | .3 | | | | | | 3 | 3 | | | | |
| 84/ 83 | | | | | | | | | .1 | .1 | .4 | | | | | | | | 5 | 5 | | | | |
| 82/ 81 | | | | | | | | .3 | .1 | | | | .4 | | | | | | 6 | 6 | | | | |
| 80/ 79 | | | | | .4 | | .3 | | .1 | | | | | | | | | | 6 | 6 | | | | |
| 78/ 77 | | | | .1 | 2.1 | .3 | | | | | | .3 | .1 | | | | | | 21 | 21 | | | | |
| 76/ 75 | | | .1 | 1.3 | 2.6 | 2.3 | .1 | | | | | | | | | | | | 45 | 45 | | | | |
| 74/ 73 | | | 1.1 | 3.3 | 5.7 | 2.0 | .3 | | .1 | | | | | | | | | | 88 | 88 | | | | |
| 72/ 71 | | .4 | 2.4 | 5.0 | 4.3 | 1.7 | .3 | .1 | | .1 | | | | | | | | | 101 | 101 | 12 | | | |
| 70/ 69 | | 1.4 | 5.2 | 5.0 | 2.8 | .3 | | | | | | | | | | | | | 104 | 104 | 39 | | | |
| 68/ 67 | .4 | 1.1 | 7.1 | 5.1 | 1.7 | .6 | .1 | | | | | | | | | | | | 114 | 114 | 96 | | | |
| 66/ 65 | | 1.4 | 6.2 | 5.0 | .1 | | | | | | | | | | | | | | 90 | 90 | 150 | | | |
| 64/ 63 | | 2.3 | 5.0 | 2.4 | .1 | .1 | | .1 | .1 | | | | | | | | | | 72 | 72 | 142 | | | |
| 62/ 61 | | 2.6 | 1.6 | .1 | | | | | | | | | | | | | | | 30 | 30 | 124 | | | |
| 60/ 59 | | 1.0 | .3 | .1 | | | | | | | | | | | | | | | 10 | 10 | 95 | | | |
| 58/ 57 | .3 | .4 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 32 | | | |
| 56/ 55 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 9 | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .7 | 10.8 | 29.2 | 27.4 | 19.9 | 7.2 | 1.1 | .3 | .9 | .4 | .4 | .4 | 1.0 | | | | .3 | | 705 | 705 | 705 | | | |
| | | | | | | | | | | | | | | | | | | | 705 | 705 | 705 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σx ² | | Σx | | x̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | 3980878 | | 52206 | | 74.1 | | 12.779 | | 705 | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | 3407556 | | 48876 | | 69.3 | | 5.208 | | 705 | | | | 506.6 | 180.8 | 19.4 | 2.0 | 720.0 | | | | | | | |
| Wet Bulb | 2860651 | | 44839 | | 63.6 | | 3.540 | | 705 | | | | 150.1 | | | | 720.0 | | | | | | | |
| Dew Point | 2563284 | | 42366 | | 60.1 | | 4.965 | | 705 | | | 1.0 | 50.0 | | | | 720.0 | | | | | | | |

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|--------|--------------------|----------|----------|-----------|--|-------|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point | | |
| 84/ 83 | | | | | | | | | | .1 | .1 | .1 | | .1 | | | | 4 | 4 | | | | |
| 82/ 81 | | | | | | | | | | | | .1 | .1 | .3 | .1 | | | 5 | 5 | | | | |
| 80/ 79 | | | | | .1 | | .1 | .4 | | | | .3 | | | | | | 7 | 7 | | | | |
| 78/ 77 | | | | | | .3 | | | | .1 | | | .1 | | | | | 4 | 4 | | | | |
| 76/ 75 | | | | .1 | .6 | .4 | .1 | | .1 | | .1 | .1 | .1 | | | | | 13 | 13 | | | | |
| 74/ 73 | | | | .8 | 2.5 | .8 | .3 | .3 | .1 | .1 | | | | | | | | 36 | 36 | | | | |
| 72/ 71 | | | .4 | 3.5 | 4.7 | 1.7 | .6 | .1 | .1 | | | .1 | | | | | | 81 | 81 | 1 | | | |
| 70/ 69 | | .1 | .7 | 5.7 | 4.2 | 1.4 | .1 | .3 | .1 | .1 | | | .1 | | | | | 92 | 92 | 3 | | | |
| 68/ 67 | | .1 | 3.8 | 5.8 | 3.9 | 1.3 | .1 | .1 | | | | | | | | | | 109 | 109 | 3 | | | |
| 66/ 65 | | 1.4 | 6.3 | 3.8 | 1.9 | .7 | | | .1 | | | | | | | | | 102 | 102 | 4 | | | |
| 64/ 63 | | 2.6 | 5.3 | 4.9 | .8 | | | .1 | | .1 | | | | | | | | 100 | 100 | 38 | | | |
| 62/ 61 | .1 | 2.6 | 2.6 | 1.1 | .1 | .3 | .1 | | .1 | | .1 | | | | | | | 52 | 52 | 103 | | | |
| 60/ 59 | .1 | 2.2 | 2.8 | 1.3 | .3 | | .1 | .1 | .1 | | | | | | | | | 53 | 53 | 151 | | | |
| 58/ 57 | .4 | 1.3 | 1.1 | .3 | .1 | | .3 | .1 | | | | | | | | | | 26 | 26 | 111 | | | |
| 56/ 55 | .8 | .8 | 1.1 | | | | .1 | .1 | | | | | | | | | | 20 | 20 | 91 | | | |
| 54/ 53 | | .1 | | .3 | | .1 | .1 | .1 | | | | | | | | | | 6 | 6 | 90 | | | |
| 52/ 51 | .1 | .3 | .6 | | | | | | | | | | | | | | | 7 | 7 | 49 | | | |
| 50/ 49 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 19 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | 5 | 13 | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | 4 | 6 | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | 4 | 8 | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | 3 | 3 | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

NAVWEASERVCOM

575 PSYCHROMETRIC SUMMA JAN 68

2

OCT

YEARS

MONTH

HOURS (L.S.T.)

05 PSYCHOMETRIC SUMMA
JAN 68

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

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HOURS (L.S.T.)

525 PSYCHROMETRIC SUMMARY JAN 68

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|----------|----------|-----------|--------------------|-------|-----|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | | | | 1 | 1 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .1 | | | | 1 | 1 | | |
| 90/ 89 | | | | | | | | | | | | | | | | .1 | .3 | | | | 3 | 3 | | |
| 88/ 87 | | | | | | | | | | | | | | | | .1 | .1 | | | | 1 | 1 | | |
| 86/ 85 | | | | | | | | | | .1 | | | | | .1 | | | | | | 2 | 2 | | |
| 84/ 83 | | | | | | | | | | | | .1 | .1 | .1 | | | | | | | 3 | 3 | | |
| 82/ 81 | | | | | | | | | .1 | | .1 | .4 | .3 | | .1 | | | | | | 8 | 8 | | |
| 80/ 79 | | | | | | | | .1 | | .5 | .5 | .4 | | | | | | | | | 12 | 12 | | |
| 78/ 77 | | | | | | | .1 | .1 | .1 | .3 | .1 | .4 | | | | | | | | | 9 | 9 | | |
| 76/ 75 | | | | | | .3 | .1 | .1 | .7 | .1 | .3 | .3 | .1 | | | | | | | | 14 | 14 | | |
| 74/ 73 | | | | | .1 | .1 | .4 | .4 | .4 | .3 | .4 | | | | | | | | | | 16 | 16 | | |
| 72/ 71 | | | | .3 | .7 | .7 | .3 | .3 | | .1 | .1 | | .3 | | | | | | | | 20 | 20 | | |
| 70/ 69 | | | | .3 | .5 | 1.5 | .5 | .4 | .4 | .3 | | .1 | | | | | | | | | 30 | 30 | | |
| 68/ 67 | | | | .5 | 1.9 | 3.1 | .5 | .3 | .4 | .3 | .4 | | | | | | | | | | 55 | 55 | 3 | |
| 66/ 65 | .1 | .1 | 1.3 | 2.6 | 3.5 | .5 | .3 | .3 | .3 | .1 | | | | | | | | | | | 70 | 70 | 11 | |
| 64/ 63 | | .5 | 2.7 | 3.2 | 1.5 | .4 | 1.1 | .3 | .4 | .3 | .4 | | | | | | | | | | 80 | 80 | 21 | |
| 62/ 61 | .3 | 1.6 | 3.5 | 3.3 | 1.2 | .8 | .3 | .3 | .5 | .5 | | | | | | | | | | | 92 | 92 | 67 | |
| 60/ 59 | .1 | 1.7 | 4.3 | 1.7 | .5 | .5 | .3 | .1 | | | .1 | | | | | | | | | | 71 | 71 | 109 | |
| 58/ 57 | .3 | 3.5 | 3.6 | 1.7 | .8 | .7 | .4 | .3 | .3 | | | | | | | | | | | | 86 | 86 | 119 | |
| 56/ 55 | | 2.3 | 1.9 | 1.3 | .9 | .4 | .1 | .1 | .1 | | | | | | | | | | | | 54 | 54 | 109 | |
| 54/ 53 | .3 | 2.1 | 1.5 | .7 | .1 | | .1 | .1 | | | | | | | | | | | | | 37 | 37 | 73 | |
| 52/ 51 | | 1.7 | 1.2 | .8 | | .1 | | | | | | | | | | | | | | | 29 | 29 | 63 | |
| 50/ 49 | .1 | 1.1 | .4 | .4 | .4 | | .3 | | | | | | | | | | | | | | 20 | 20 | 58 | |
| 48/ 47 | .1 | .1 | .4 | .1 | .1 | | | | | | | | | | | | | | | | 7 | 7 | 39 | |
| 46/ 45 | .4 | .8 | .5 | | .1 | | | | | | | | | | | | | | | | 14 | 14 | 32 | |
| 44/ 43 | .3 | .5 | .5 | .1 | | | | | | | | | | | | | | | | | 11 | 11 | 19 | |
| 42/ 41 | .3 | | | | .1 | | | | | | | | | | | | | | | | 3 | 3 | 18 | |
| 40/ 39 | | .1 | | | .1 | .1 | | | | | | | | | | | | | | | 3 | 3 | 6 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

2

73-77

NOV

STATION

STATION NAME

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HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMA JAN 68

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

DEC

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HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|----------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|--------------------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | |
| 82/ 81 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 78/ 77 | | | | | | | | | | | | | | .1 | .1 | .1 | | 3 | 3 | | |
| 76/ 75 | | | | | | | | | .1 | .4 | .1 | | .3 | .1 | .1 | | | 8 | 8 | | |
| 74/ 73 | | | | | | | | .1 | .3 | .1 | | .4 | | .1 | | | | 8 | 8 | | |
| 72/ 71 | | | | | | .1 | .1 | .3 | .1 | .3 | | | | | | | | 7 | 7 | | |
| 70/ 69 | | | | .1 | | .7 | .4 | .1 | .3 | .3 | .1 | .1 | .1 | | | | | 15 | 15 | | |
| 68/ 67 | | .1 | | .4 | .8 | 1.1 | .5 | 1.1 | .4 | .3 | .3 | .3 | | | | | | 39 | 39 | | |
| 66/ 65 | | | .7 | 1.6 | 2.8 | 1.1 | .4 | .8 | .9 | .3 | .3 | .5 | | | | | | 70 | 70 | 1 | |
| 64/ 63 | | .4 | 1.1 | 3.9 | 1.9 | 1.1 | .8 | .3 | .1 | .8 | | .3 | | | | | | 76 | 76 | 2 | |
| 62/ 61 | .1 | 1.2 | 1.8 | 1.8 | 1.5 | .7 | .4 | .3 | .1 | .4 | | | | | | | | 61 | 61 | 20 | |
| 60/ 59 | | 3.4 | 3.3 | 3.4 | 1.2 | .5 | .4 | .5 | | | | | | | | | | 94 | 94 | 59 | |
| 58/ 57 | .1 | 2.7 | 3.9 | 1.9 | .7 | .5 | .4 | .7 | | | | | | | | | | 81 | 81 | 107 | |
| 56/ 55 | .1 | 2.8 | 3.3 | .9 | .5 | .5 | .4 | .1 | .1 | | | | | | | | | 64 | 64 | 89 | |
| 54/ 53 | .3 | 1.9 | 1.8 | .5 | .5 | .3 | .3 | .3 | | | | | | | | | | 43 | 43 | 100 | |
| 52/ 51 | .7 | 2.0 | 1.8 | .4 | | .3 | .4 | .1 | .1 | | | | | | | | | 42 | 42 | 90 | |
| 50/ 49 | .7 | 1.6 | .9 | .5 | .7 | | .1 | .1 | | | | | | | | | | 35 | 35 | 68 | |
| 48/ 47 | .3 | 1.1 | .4 | .7 | .3 | .1 | .1 | | | | | | | | | | | 22 | 22 | 54 | |
| 46/ 45 | .5 | .1 | .3 | .5 | .3 | .5 | | | | | | | | | | | | 17 | 17 | 35 | |
| 44/ 43 | .5 | 1.1 | .7 | .5 | .7 | .3 | | | | | | | | | | | | 28 | 28 | 33 | |
| 42/ 41 | .5 | .5 | .1 | .7 | .1 | | | | | | | | | | | | | 15 | 15 | 27 | |
| 40/ 39 | | | .4 | | .3 | | | | | | | | | | | | | 5 | 5 | 17 | |
| 38/ 37 | | .1 | | .1 | | | | | | | | | | | | | | 2 | 2 | 15 | |
| 36/ 35 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 15 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 7 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 13 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 6 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | 7 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 4 | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

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HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

ALL

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PAGE 1

HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|------|----------|----------|-----------|--------------------|-------|-------|-----|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 100/ 99 | | | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 98/ 97 | | | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 90/ 89 | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 88/ 87 | | | | | | | | | | | .0 | | | | .0 | | | | .0 | | 3 | 3 | | |
| 86/ 85 | | | | | | | | .0 | | | | .0 | | .0 | .0 | | | | .0 | | 6 | 6 | | |
| 84/ 83 | | | | | | | | .0 | | | .0 | .0 | .0 | .0 | .0 | .0 | | | | | 15 | 15 | | |
| 82/ 81 | | | | | .0 | .1 | .0 | .0 | | .0 | .0 | .0 | .1 | .1 | .0 | .0 | .0 | | | | 39 | 39 | | |
| 80/ 79 | | | | | .0 | .2 | .1 | .1 | .0 | .0 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | | | 54 | 54 | | |
| 78/ 77 | | | .0 | .1 | .4 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .1 | .0 | .0 | .0 | .0 | | | 80 | 80 | | |
| 76/ 75 | | | .0 | .6 | .7 | .5 | .0 | .0 | .1 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | | | 201 | 201 | 2 | |
| 74/ 73 | | | .2 | 1.0 | 1.7 | .5 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | | | 341 | 341 | 18 | |
| 72/ 71 | | .1 | .6 | 1.6 | 1.8 | .7 | .2 | .1 | .0 | .1 | .0 | .1 | .0 | .1 | .0 | .0 | .0 | .0 | | | 463 | 463 | 44 | 8 |
| 70/ 69 | | .3 | 1.4 | 2.4 | 1.9 | .6 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | | | 612 | 612 | 136 | 28 |
| 68/ 67 | .0 | .4 | 3.1 | 3.0 | 2.2 | .8 | .3 | .2 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | | | 896 | 896 | 306 | 134 |
| 66/ 65 | .0 | .8 | 2.8 | 3.0 | 2.2 | .9 | .3 | .1 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 929 | 929 | 570 | 198 |
| 64/ 63 | .1 | 1.5 | 3.3 | 3.4 | 2.0 | .8 | .3 | .2 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 1024 | 1024 | 809 | 420 |
| 62/ 61 | .1 | 1.4 | 2.3 | 3.3 | 2.3 | .7 | .3 | .1 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | | | 945 | 945 | 879 | 668 |
| 60/ 59 | .1 | 1.7 | 3.2 | 3.0 | 1.3 | .6 | .4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 924 | 923 | 985 | 760 |
| 58/ 57 | .2 | 1.8 | 2.8 | 1.9 | .8 | .5 | .2 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 715 | 715 | 1017 | 884 |
| 56/ 55 | .2 | 1.4 | 2.0 | 1.2 | .5 | .2 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 507 | 507 | 1066 | 816 |
| 54/ 53 | .2 | 1.0 | 1.0 | .8 | .3 | .2 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 304 | 304 | 926 | 927 |
| 52/ 51 | .2 | .8 | .7 | .4 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 215 | 215 | 626 | 823 |
| 50/ 49 | .1 | .5 | .4 | .3 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 139 | 139 | 457 | 692 |
| 48/ 47 | .1 | .4 | .3 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 98 | 98 | 309 | 605 |
| 46/ 45 | .1 | .2 | .2 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 76 | 76 | 201 | 376 |
| 44/ 43 | .1 | .3 | .2 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 80 | 80 | 130 | 276 |
| 42/ 41 | .1 | .1 | .1 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 52 | 52 | 108 | 234 |
| 40/ 39 | | .1 | .1 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 20 | 20 | 66 | 183 |
| 38/ 37 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 4 | 4 | 43 | 128 |
| 36/ 35 | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 2 | 2 | 41 | 120 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 94 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | 5 | 64 |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

NAVWEASERVCOM

53 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L.S.T.)

[illegible]

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93115 IMPERIAL BEACH, CALIFORNIA

73-77

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|--------------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | |
| 01 | MEAN | 55.0 | | | 57.3 | 63.5 | | 62.0 | 63.0 | 57.0 | | 47.4 | 45.0 | 54.1 | |
| | S. D. | | | | | | | | | | | 4.722 | | 6.975 | |
| | TOTAL OBS | 4 | | | 3 | 2 | | 1 | 1 | 1 | | 5 | 2 | 19 | |
| 04 | MEAN | 52.0 | 49.0 | | 58.0 | 62.0 | | | 63.0 | 60.5 | | 47.0 | 46.0 | 52.8 | |
| | S. D. | 5.244 | | | | | | | | | | 4.336 | | 7.130 | |
| | TOTAL OBS | 5 | 1 | | 1 | 2 | | | 1 | 2 | | 6 | 1 | 19 | |
| 07 | MEAN | 48.3 | 49.7 | 50.9 | 56.0 | 60.0 | 63.0 | 66.2 | 66.0 | 66.3 | 60.8 | 53.6 | 48.3 | 57.5 | |
| | S. D. | 5.860 | 5.223 | 4.589 | 3.249 | 2.477 | 2.939 | 4.349 | 2.900 | 3.906 | 4.548 | 6.100 | 6.136 | 8.200 | |
| | TOTAL OBS | 122 | 136 | 151 | 147 | 154 | 150 | 154 | 159 | 147 | 152 | 145 | 148 | 1791 | |
| 10 | MEAN | 59.5 | 60.2 | 59.9 | 61.9 | 64.3 | 66.9 | 70.0 | 70.6 | 71.1 | 68.8 | 66.3 | 62.1 | 65.1 | |
| | S. D. | 5.790 | 5.054 | 3.735 | 3.461 | 2.725 | 3.450 | 4.568 | 3.134 | 4.909 | 4.190 | 7.950 | 5.916 | 6.345 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 13 | MEAN | 61.8 | 62.1 | 60.8 | 63.1 | 65.3 | 68.4 | 71.7 | 72.2 | 72.6 | 70.1 | 66.9 | 63.5 | 66.6 | |
| | S. D. | 5.726 | 4.750 | 3.075 | 3.089 | 2.335 | 3.754 | 4.084 | 2.853 | 4.857 | 3.939 | 6.970 | 5.074 | 6.044 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 16 | MEAN | 60.3 | 60.9 | 59.8 | 61.9 | 64.2 | 67.4 | 70.8 | 71.2 | 71.1 | 68.3 | 64.5 | 60.9 | 64.8 | |
| | S. D. | 4.782 | 4.239 | 3.145 | 2.832 | 2.530 | 3.566 | 4.222 | 2.972 | 4.568 | 4.084 | 5.594 | 4.321 | 5.825 | |
| | TOTAL OBS | 152 | 136 | 146 | 140 | 127 | 128 | 118 | 123 | 121 | 125 | 149 | 151 | 1626 | |
| 19 | MEAN | 55.2 | 55.8 | 55.1 | 57.2 | 59.7 | 63.3 | 66.9 | 69.4 | 66.3 | 62.6 | 58.6 | 54.8 | 60.1 | |
| | S. D. | 3.961 | 3.172 | 2.456 | 2.435 | 2.328 | 3.378 | 4.080 | 2.633 | 3.655 | 3.695 | 4.903 | 4.634 | 5.731 | |
| | TOTAL OBS | 116 | 107 | 123 | 126 | 116 | 118 | 111 | 118 | 112 | 110 | 112 | 110 | 1379 | |
| 22 | MEAN | 53.5 | 54.6 | 54.7 | 57.9 | 59.9 | 61.0 | 63.8 | 66.4 | 64.8 | 63.2 | 56.2 | 57.7 | 60.6 | |
| | S. D. | 3.852 | 2.503 | 1.604 | 3.360 | 2.601 | 3.023 | 2.377 | 2.608 | 3.422 | 2.641 | 4.979 | 4.167 | 5.149 | |
| | TOTAL OBS | 15 | 10 | 7 | 20 | 20 | 37 | 38 | 33 | 28 | 25 | 37 | 24 | 294 | |
| ALL HOURS | MEAN | 57.0 | 57.8 | 57.4 | 60.0 | 62.7 | 65.6 | 68.9 | 69.2 | 69.3 | 66.2 | 61.7 | 58.1 | 62.8 | |
| | S. D. | 7.240 | 6.496 | 5.155 | 4.165 | 3.417 | 4.172 | 4.855 | 3.872 | 5.208 | 5.521 | 8.367 | 7.724 | 7.372 | |
| | TOTAL OBS | 754 | 672 | 737 | 735 | 729 | 733 | 730 | 791 | 705 | 718 | 752 | 738 | 8794 | |

NAVWEASERVCOM

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

93119 IMPERIAL BEACH, CALIFORNIA

73-77

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | |
|--------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | | | | | | | | | | | |
| 01 | MEAN S. D. TOTAL OBS | 50.0 4 | | | 50.7 3 | 59.5 2 | | 60.0 1 | 62.0 1 | 56.0 1 | | 49.2 4,207 5 | 49.0 2 | 50.6 6,518 19 | | | | | | | | | | | |
| 04 | MEAN S. D. TOTAL OBS | 46.4 3,814 5 | 46.0 1 | | 50.0 1 | 59.5 2 | | | 62.0 1 | 53.0 2 | | 44.7 4,457 6 | 39.0 1 | 48.5 7,229 19 | | | | | | | | | | | |
| 07 | MEAN S. D. TOTAL OBS | 43.6 5,690 152 | 45.8 5,850 136 | 47.1 5,039 151 | 51.2 3,210 147 | 56.2 2,569 154 | 59.3 3,337 150 | 62.6 4,003 154 | 62.8 2,754 153 | 62.1 3,874 147 | 56.3 5,643 152 | 47.9 5,333 145 | 43.4 6,265 148 | 53.3 8,576 1791 | | | | | | | | | | | |
| 10 | MEAN S. D. TOTAL OBS | 50.9 4,159 159 | 52.8 3,761 141 | 52.8 3,274 155 | 54.8 2,488 149 | 58.3 2,393 154 | 61.2 3,366 150 | 64.2 3,747 154 | 64.7 2,689 153 | 64.7 3,286 147 | 61.4 3,369 153 | 56.2 4,231 149 | 52.3 4,397 151 | 57.9 6,117 1813 | | | | | | | | | | | |
| 13 | MEAN S. D. TOTAL OBS | 53.7 3,845 155 | 55.2 3,012 141 | 53.8 3,096 155 | 55.7 2,780 149 | 58.8 2,329 154 | 61.8 3,599 150 | 64.6 3,529 154 | 65.4 2,509 153 | 65.3 2,860 147 | 62.8 2,912 153 | 58.1 4,064 149 | 55.7 3,737 151 | 59.2 5,415 1813 | | | | | | | | | | | |
| 16 | MEAN S. D. TOTAL OBS | 53.6 3,721 152 | 55.0 2,862 135 | 53.0 3,085 146 | 54.9 2,623 140 | 57.9 2,235 127 | 61.3 3,721 128 | 64.0 3,673 118 | 64.7 2,450 123 | 64.3 2,920 121 | 61.7 2,801 125 | 57.8 4,185 149 | 55.3 3,709 151 | 58.3 5,277 1625 | | | | | | | | | | | |
| 19 | MEAN S. D. TOTAL OBS | 50.7 3,250 116 | 51.8 3,432 107 | 50.5 3,318 123 | 52.4 2,419 126 | 55.7 2,440 116 | 59.2 3,364 118 | 62.3 3,719 111 | 62.8 2,388 118 | 62.0 2,837 112 | 58.7 3,380 110 | 54.3 4,030 112 | 50.9 4,613 110 | 55.9 5,661 1379 | | | | | | | | | | | |
| 22 | MEAN S. D. TOTAL OBS | 49.1 4,448 15 | 51.0 2,829 10 | 50.3 2,564 7 | 53.3 2,598 20 | 56.9 2,134 20 | 58.3 3,090 27 | 61.4 2,565 28 | 62.8 2,032 33 | 61.5 2,782 28 | 60.0 2,483 29 | 51.6 4,206 37 | 52.5 5,349 24 | 57.1 5,699 294 | | | | | | | | | | | |
| ALL HOURS | MEAN S. D. TOTAL OBS | 50.5 5,640 754 | 52.1 5,229 671 | 51.5 4,376 737 | 53.8 3,199 735 | 57.4 2,651 729 | 60.5 3,639 733 | 63.5 3,819 730 | 64.1 2,776 751 | 63.6 3,541 705 | 60.2 4,463 718 | 54.6 5,899 752 | 51.6 6,454 738 | 56.9 6,717 8753 | | | | | | | | | | | |

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5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93115 IMPERIAL BEACH, CALIFORNIA 73-77

| STATION | | STATION NAME | | | | | | | | | | YEARS | | | |
|--------------|-----------|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | |
| 01 | MEAN | 45.8 | | | 44.7 | 57.0 | | 58.0 | 61.0 | 55.0 | | 43.4 | 40.0 | 47.5 | |
| | S. D. | | | | | | | | | | | 4,393 | | 7,144 | |
| | TOTAL OBS | 4 | | | 3 | 2 | | 1 | 1 | 1 | | 5 | 2 | 19 | |
| 04 | MEAN | 40.6 | 42.0 | | 43.0 | 58.0 | | | 61.0 | 44.5 | | 42.3 | 29.0 | 44.1 | |
| | S. D. | 8,849 | | | | | | | | | | 5,820 | | 9,947 | |
| | TOTAL OBS | 5 | 1 | | 1 | 2 | | | 1 | 2 | | 6 | 1 | 19 | |
| 07 | MEAN | 37.6 | 40.9 | 43.0 | 46.8 | 53.3 | 56.8 | 60.3 | 60.8 | 59.3 | 52.3 | 41.2 | 36.7 | 49.2 | |
| | S. D. | 9,142 | 10,290 | 7,805 | 5,374 | 3,562 | 4,628 | 4,348 | 3,359 | 6,424 | 9,634 | 10,418 | 11,309 | 11,608 | |
| | TOTAL OBS | 152 | 136 | 151 | 147 | 154 | 150 | 154 | 155 | 147 | 152 | 145 | 148 | 1791 | |
| 10 | MEAN | 42.0 | 45.0 | 45.9 | 48.8 | 53.9 | 57.5 | 60.7 | 61.3 | 60.8 | 56.0 | 47.0 | 41.9 | 51.8 | |
| | S. D. | 9,019 | 10,432 | 7,747 | 5,108 | 3,550 | 4,552 | 4,092 | 3,190 | 4,711 | 7,459 | 10,064 | 11,289 | 10,197 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 13 | MEAN | 46.3 | 49.2 | 47.5 | 49.7 | 54.0 | 57.4 | 60.4 | 61.4 | 61.1 | 58.0 | 51.2 | 48.8 | 53.8 | |
| | S. D. | 7,821 | 7,225 | 6,000 | 4,450 | 3,445 | 4,849 | 4,076 | 3,158 | 4,333 | 4,718 | 7,812 | 8,576 | 7,930 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 16 | MEAN | 47.4 | 50.0 | 46.9 | 49.2 | 53.4 | 57.1 | 59.9 | 61.0 | 60.3 | 57.4 | 52.7 | 50.4 | 53.5 | |
| | S. D. | 7,396 | 5,986 | 5,967 | 4,323 | 3,347 | 4,705 | 4,161 | 2,997 | 3,881 | 4,088 | 6,928 | 7,650 | 7,337 | |
| | TOTAL OBS | 152 | 135 | 146 | 140 | 127 | 128 | 118 | 133 | 121 | 129 | 149 | 151 | 1625 | |
| 19 | MEAN | 46.5 | 48.1 | 45.9 | 48.2 | 52.6 | 56.4 | 59.4 | 60.3 | 59.1 | 56.0 | 50.5 | 46.8 | 52.4 | |
| | S. D. | 5,678 | 6,468 | 5,593 | 3,941 | 3,268 | 4,011 | 4,129 | 2,780 | 4,322 | 4,912 | 7,146 | 9,511 | 7,547 | |
| | TOTAL OBS | 116 | 107 | 123 | 126 | 116 | 118 | 111 | 118 | 112 | 110 | 112 | 110 | 1279 | |
| 22 | MEAN | 44.5 | 47.2 | 46.4 | 49.7 | 54.7 | 56.3 | 59.8 | 62.0 | 59.2 | 58.0 | 46.9 | 46.6 | 54.1 | |
| | S. D. | 6,844 | 7,036 | 4,791 | 3,294 | 2,130 | 3,533 | 3,021 | 2,172 | 2,794 | 3,123 | 8,762 | 3,276 | 8,317 | |
| | TOTAL OBS | 15 | 10 | 7 | 20 | 20 | 37 | 38 | 33 | 28 | 25 | 37 | 24 | 294 | |
| ALL HOURS | MEAN | 43.9 | 46.6 | 45.8 | 48.6 | 53.6 | 57.0 | 60.2 | 61.0 | 60.1 | 56.0 | 48.3 | 44.9 | 52.1 | |
| | S. D. | 8,756 | 8,986 | 6,886 | 4,756 | 3,454 | 4,535 | 4,120 | 3,109 | 4,966 | 6,872 | 9,521 | 11,095 | 9,311 | |
| | TOTAL OBS | 754 | 671 | 727 | 725 | 729 | 723 | 720 | 731 | 705 | 718 | 752 | 738 | 8753 | |

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

NAVWEASERVCOM

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 72.0 | | | 71.0 | 4 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 80.0 | 60.0 | 60.0 | | | 65.6 | 5 |
| | 07 | 100.0 | 99.3 | 96.7 | 88.8 | 78.9 | 65.8 | 52.3 | 33.6 | 15.8 | 69.5 | 152 |
| | 10 | 99.4 | 98.1 | 84.5 | 75.5 | 56.1 | 47.1 | 27.1 | 15.5 | 5.2 | 56.8 | 155 |
| | 13 | 99.4 | 97.4 | 93.5 | 83.9 | 67.1 | 54.2 | 34.8 | 16.8 | 3.9 | 60.5 | 155 |
| | 16 | 99.3 | 98.0 | 95.4 | 94.1 | 79.6 | 63.2 | 42.1 | 21.1 | 5.3 | 65.3 | 152 |
| | 19 | 100.0 | 100.0 | 98.3 | 96.6 | 92.2 | 82.8 | 57.8 | 35.3 | 17.2 | 74.6 | 116 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 93.3 | 80.0 | 69.7 | 20.0 | 6.7 | 72.7 | 15 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 99.8 | 99.1 | 96.1 | 92.4 | 80.9 | 69.1 | 52.4 | 17.8 | 6.8 | 67.0 | 754 |

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD READING COMPANY, U. S. A.

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 01 | | | | | | | | | | | |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | 77.0 | 1 |
| | 07 | 100.0 | 97.8 | 96.3 | 93.4 | 85.3 | 75.7 | 62.4 | 50.0 | 27.9 | 75.3 | 136 |
| | 10 | 100.0 | 94.3 | 83.7 | 78.7 | 72.3 | 62.4 | 48.2 | 24.8 | 10.6 | 63.2 | 141 |
| | 13 | 99.3 | 97.2 | 95.0 | 90.1 | 80.9 | 66.0 | 42.7 | 24.8 | 6.4 | 66.1 | 141 |
| | 16 | 100.0 | 98.5 | 97.8 | 94.8 | 90.4 | 73.3 | 51.1 | 23.7 | 8.9 | 69.8 | 135 |
| | 19 | 100.0 | 99.1 | 98.1 | 97.2 | 94.4 | 88.8 | 68.2 | 44.9 | 16.8 | 77.2 | 107 |
| | 22 | 100.0 | 100.0 | 100.0 | 90.0 | 80.0 | 80.0 | 80.0 | 40.0 | 30.0 | 78.9 | 10 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.9 | 98.1 | 95.8 | 92.0 | 86.2 | 78.0 | 62.4 | 29.7 | 14.4 | 72.5 | 671 |

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 01 | | | | | | | | | | | |
| | 04 | | | | | | | | | | | |
| | 07 | 100.0 | 100.0 | 98.0 | 97.4 | 92.1 | 88.7 | 74.2 | 41.7 | 11.3 | 75.7 | 151 |
| | 10 | 100.0 | 98.1 | 94.2 | 88.4 | 78.7 | 57.4 | 32.8 | 12.9 | 2.6 | 62.9 | 155 |
| | 13 | 100.0 | 100.0 | 98.7 | 93.5 | 80.6 | 59.4 | 27.7 | 12.9 | 1.9 | 63.3 | 155 |
| | 16 | 100.0 | 100.0 | 98.6 | 94.5 | 83.6 | 61.6 | 32.9 | 10.3 | .7 | 64.2 | 146 |
| | 19 | 100.0 | 100.0 | 100.0 | 99.2 | 93.5 | 83.7 | 64.6 | 19.5 | 1.6 | 72.0 | 123 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 85.7 | 71.4 | 28.6 | 14.3 | 74.4 | 7 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.7 | 98.3 | 93.5 | 88.1 | 72.8 | 50.6 | 21.0 | 3.4 | 68.8 | 737 |

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD READING COMPANY, U. S. A.

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 66.7 | | | | 63.0 | 3 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | 57.0 | 1 |
| | 07 | 100.0 | 99.3 | 99.3 | 98.6 | 94.6 | 81.0 | 62.3 | 26.5 | 2.7 | 72.5 | 147 |
| | 10 | 100.0 | 98.7 | 98.0 | 96.6 | 87.2 | 62.4 | 30.9 | 5.4 | | 63.7 | 149 |
| | 13 | 100.0 | 99.3 | 99.3 | 97.3 | 89.9 | 60.4 | 14.8 | .7 | | 62.5 | 149 |
| | 16 | 100.0 | 99.3 | 99.3 | 99.3 | 94.3 | 62.1 | 15.6 | 1.4 | | 63.8 | 140 |
| | 19 | 100.0 | 100.0 | 99.2 | 98.4 | 97.6 | 90.5 | 62.9 | 17.5 | | 72.5 | 126 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.0 | 62.0 | 30.0 | 2.0 | 75.0 | 20 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 99.4 | 98.8 | 95.5 | 64.1 | 34.3 | 10.2 | 1.0 | 66.3 | 733 |

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REG. COMPANY, U. S. A.

5706 RELATIVE HUMIDITY JAN 68

MAY

MONTH

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UNNE

9

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

5706 RELATIVE HUMIDITY JAN 68

JUN

MONTH

13

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10

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | 87.0 | 1 |
| | 04 | | | | | | | | | | | |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 62.3 | 9.1 | 81.7 | 154 |
| | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 55.8 | 19.5 | .6 | 72.9 | 154 |
| | 13 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 90.3 | 25.3 | 7.8 | .6 | 68.0 | 154 |
| | 16 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 93.2 | 34.7 | 8.5 | | 69.0 | 118 |
| | 19 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 89.5 | 33.3 | 1.8 | 77.3 | 111 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 89.5 | 26.3 | 87.0 | 38 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.4 | 70.6 | 45.8 | 5.5 | 77.6 | 730 |

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

93115

IMPERIAL BEACH, CALIFORNIA

73-77

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 93.0 | 1 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 93.0 | 1 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.3 | 71.0 | 14.8 | 83.3 | 155 |
| | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 69.2 | 19.4 | | 72.9 | 155 |
| | 13 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 89.7 | 49.2 | 8.4 | | 69.4 | 155 |
| | 16 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 92.5 | 52.6 | 10.5 | 1.5 | 70.7 | 133 |
| | 19 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 56.8 | 7.6 | 80.8 | 118 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 75.8 | 30.3 | 86.3 | 33 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.5 | 81.1 | 55.2 | 31.8 | 81.2 | 751 |

NAVWEASERVCOM

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 93.0 | 1 |
| | 04 | 100.0 | 100.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 65.0 | 2 |
| | 07 | 100.0 | 98.6 | 97.3 | 96.6 | 94.6 | 94.6 | 90.5 | 64.6 | 8.8 | 80.1 | 147 |
| | 10 | 100.0 | 99.3 | 98.0 | 96.6 | 95.9 | 89.8 | 95.5 | 23.1 | 2.0 | 71.6 | 147 |
| | 13 | 99.3 | 99.3 | 98.6 | 98.0 | 96.6 | 87.1 | 42.5 | 12.9 | .7 | 68.6 | 147 |
| | 16 | 100.0 | 100.0 | 99.2 | 95.9 | 95.0 | 88.4 | 57.0 | 14.9 | .8 | 70.0 | 121 |
| | 19 | 100.0 | 100.0 | 98.2 | 98.2 | 97.3 | 96.4 | 87.5 | 57.1 | .9 | 78.7 | 112 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 64.3 | 3.6 | 82.4 | 28 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.9 | 99.7 | 92.7 | 91.9 | 91.2 | 88.3 | 74.9 | 48.4 | 20.9 | 76.2 | 705 |

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD READING COMPANY, U. S. A.

5706 RELATIVE HUMIDITY JAN 68

DCT

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 01 | | | | | | | | | | | |
| | 04 | | | | | | | | | | | |
| | 07 | 100.0 | 100.0 | 95.4 | 90.8 | 90.1 | 86.2 | 77.6 | 51.3 | 11.8 | 76.0 | 152 |
| | 10 | 100.0 | 96.7 | 94.1 | 93.5 | 90.8 | 77.8 | 41.2 | 13.1 | 2.6 | 66.4 | 153 |
| | 13 | 100.0 | 100.0 | 98.0 | 96.1 | 92.2 | 83.0 | 37.9 | 10.5 | .7 | 66.7 | 153 |
| | 16 | 100.0 | 100.0 | 98.4 | 96.8 | 95.2 | 86.4 | 49.4 | 15.2 | 1.6 | 69.5 | 125 |
| | 19 | 100.0 | 100.0 | 99.1 | 99.1 | 96.4 | 93.6 | 87.3 | 59.1 | 11.8 | 80.0 | 110 |
| | 22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 72.0 | 4.0 | 83.7 | 25 |
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| TOTALS | | 100.0 | 99.5 | 97.5 | 96.1 | 94.1 | 87.8 | 64.4 | 36.9 | 5.4 | 73.7 | 710 |

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RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

93115 IMPERIAL BEACH, CALIFORNIA 73-77 NOV

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 80.0 | 20.0 | 86.2 | 5 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 82.3 | 50.0 | 32.3 | 84.0 | 6 |
| | 07 | 100.0 | 98.6 | 89.0 | 82.8 | 73.1 | 67.6 | 55.9 | 36.6 | 19.3 | 67.9 | 145 |
| | 10 | 100.0 | 88.6 | 78.5 | 71.8 | 65.1 | 56.4 | 27.5 | 16.1 | 2.7 | 56.2 | 149 |
| | 13 | 100.0 | 96.0 | 89.3 | 83.2 | 76.5 | 68.8 | 32.9 | 13.4 | | 61.0 | 149 |
| | 16 | 100.0 | 98.7 | 95.3 | 91.9 | 87.2 | 77.9 | 54.4 | 20.1 | .7 | 68.3 | 149 |
| | 19 | 100.0 | 99.1 | 96.4 | 92.9 | 90.2 | 86.6 | 79.8 | 53.6 | 17.0 | 77.3 | 112 |
| | 22 | 100.0 | 97.3 | 91.9 | 91.9 | 86.5 | 83.8 | 70.3 | 51.4 | 18.9 | 75.2 | 37 |
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| TOTALS | | 100.0 | 97.3 | 92.6 | 89.3 | 84.8 | 79.8 | 62.6 | 40.2 | 14.0 | 72.0 | 752 |

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.0 | 50.0 | 50.0 | 84.0 | 2 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | | 49.0 | 1 |
| | 07 | 98.6 | 97.3 | 95.9 | 83.8 | 75.7 | 62.8 | 50.0 | 37.8 | 21.6 | 68.7 | 148 |
| | 10 | 98.7 | 92.1 | 80.1 | 64.9 | 53.6 | 43.7 | 28.5 | 15.2 | 3.3 | 53.5 | 151 |
| | 13 | 98.7 | 96.7 | 94.0 | 86.8 | 78.1 | 62.9 | 38.4 | 15.9 | 1.3 | 62.6 | 151 |
| | 16 | 100.0 | 97.4 | 96.7 | 94.7 | 91.4 | 77.5 | 58.9 | 32.5 | 6.6 | 71.2 | 151 |
| | 19 | 99.1 | 97.3 | 95.5 | 92.7 | 89.1 | 83.6 | 78.2 | 60.0 | 27.3 | 78.5 | 110 |
| | 22 | 95.8 | 91.7 | 91.7 | 83.3 | 79.2 | 79.2 | 79.0 | 54.2 | 20.8 | 73.2 | 24 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 98.9 | 96.6 | 94.2 | 88.3 | 70.9 | 63.7 | 47.4 | 33.2 | 16.4 | 67.6 | 738 |

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

RELATIVE HUMIDITY

93115

IMPERIAL BEACH, CALIFORNIA

73-77

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 99.8 | 99.1 | 96.1 | 92.4 | 80.9 | 69.1 | 52.4 | 17.8 | 6.8 | 67.0 | 754 |
| FEB | | 99.9 | 98.1 | 95.8 | 92.0 | 86.2 | 78.0 | 65.4 | 29.7 | 14.4 | 72.5 | 671 |
| MAR | | 100.0 | 99.7 | 98.3 | 95.5 | 88.1 | 72.8 | 50.6 | 21.0 | 5.4 | 68.8 | 737 |
| APR | | 100.0 | 99.6 | 99.4 | 98.8 | 95.5 | 64.1 | 32.3 | 10.2 | 1.0 | 66.3 | 735 |
| MAY | | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 92.9 | 72.7 | 42.3 | .9 | 76.5 | 729 |
| JUN | | 100.0 | 100.0 | 99.7 | 99.7 | 99.4 | 93.2 | 70.3 | 37.4 | 5.7 | 76.0 | 733 |
| JUL | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.4 | 70.6 | 45.8 | 5.5 | 77.6 | 730 |
| AUG | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.5 | 81.1 | 55.2 | 31.8 | 81.2 | 751 |
| SEP | | 99.9 | 99.7 | 92.7 | 91.9 | 91.2 | 88.3 | 72.9 | 48.4 | 20.9 | 76.2 | 705 |
| OCT | | 100.0 | 99.5 | 97.5 | 96.1 | 94.1 | 87.8 | 62.4 | 36.9 | 5.4 | 73.7 | 718 |
| NOV | | 100.0 | 97.3 | 92.6 | 89.3 | 84.8 | 79.8 | 62.6 | 40.2 | 14.0 | 72.0 | 752 |
| DEC | | 98.9 | 96.6 | 94.2 | 88.3 | 70.9 | 63.7 | 47.4 | 33.2 | 10.4 | 67.6 | 738 |
| TOTALS | | 99.9 | 99.1 | 97.2 | 93.3 | 90.9 | 82.1 | 61.9 | 34.8 | 10.7 | 73.0 | 8753 |

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

JANUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | 50.0 | | 50.0 | | | | | | | 2 | .3 |
| 77 TO 81 | | | 50.0 | 25.0 | | | | 25.0 | | 4 | .5 |
| 72 TO 76 | 21.1 | 5.3 | 10.5 | 26.3 | | 5.3 | 5.3 | 21.1 | 5.3 | 19 | 2.5 |
| 67 TO 71 | 4.2 | 12.5 | 12.5 | 4.2 | 4.2 | 12.5 | 8.3 | 37.5 | 4.2 | 24 | 3.2 |
| 62 TO 66 | 5.1 | 2.2 | 9.6 | 1.5 | 3.7 | 15.4 | 27.9 | 32.4 | 2.2 | 136 | 18.0 |
| 57 TO 61 | 6.9 | 4.0 | 10.5 | 1.6 | 4.4 | 12.9 | 26.6 | 23.4 | 9.7 | 248 | 32.9 |
| 52 TO 56 | 4.2 | 4.2 | 23.8 | 11.9 | 8.9 | 8.9 | 10.1 | 14.3 | 13.7 | 168 | 22.3 |
| 47 TO 51 | 6.0 | 8.4 | 38.6 | 18.1 | 8.4 | 2.4 | 6.0 | 2.4 | 9.6 | 83 | 11.0 |
| 42 TO 46 | 1.8 | 18.2 | 67.3 | 7.3 | 1.8 | | | | 3.6 | 55 | 7.3 |
| 37 TO 41 | | 30.8 | 61.5 | | | | | | 7.7 | 13 | 1.7 |
| 32 TO 36 | | 50.0 | 50.0 | | | | | | | 2 | .3 |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 5.7 | 6.1 | 21.9 | 6.9 | 5.3 | 9.8 | 17.1 | 18.8 | 8.4 | 754 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93115

IMPERIAL BEACH, CALIFORNIA

JAN 1973-DEC 1977

FEBRUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | | 20.0 | 60.0 | | | | 20.0 | | 5 | .7 |
| 72 TO 76 | 13.3 | | 13.3 | 33.3 | | | 13.3 | 20.0 | 6.7 | 13 | 2.2 |
| 67 TO 71 | 16.0 | 8.0 | 8.0 | 12.0 | | | 24.0 | 24.0 | 8.0 | 25 | 3.7 |
| 62 TO 66 | 2.5 | 2.5 | 8.3 | 2.5 | 5.0 | 16.7 | 29.2 | 29.2 | 4.2 | 120 | 17.9 |
| 57 TO 61 | 7.3 | 2.3 | 7.7 | 4.2 | 11.9 | 6.5 | 26.2 | 28.5 | 5.4 | 260 | 38.7 |
| 52 TO 56 | 8.8 | 4.1 | 19.0 | 6.8 | 10.9 | 6.1 | 16.3 | 13.6 | 14.3 | 147 | 21.9 |
| 47 TO 51 | | 17.2 | 51.6 | 6.3 | 1.6 | 6.3 | 1.6 | 1.6 | 14.1 | 64 | 9.5 |
| 42 TO 46 | | 20.7 | 62.1 | 3.4 | | | | | 13.8 | 29 | 4.3 |
| 37 TO 41 | | 14.3 | 57.1 | | | | | | 28.6 | 7 | 1.0 |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
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| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 6.1 | 5.2 | 17.6 | 6.0 | 8.0 | 7.4 | 20.2 | 20.8 | 8.6 | 672 | 100.0 |

NAVWEASERVCOM

5709 FREQ. AIR TEMPERATURES, WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93115

IMPERIAL BEACH, CALIFORNIA

JAN 1973-DEC 1977

MARCH

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | 100.0 | | | | | | | | 1 | .1 |
| 72 TO 76 | | | 33.3 | | | | 33.3 | 33.3 | | 3 | .4 |
| 67 TO 71 | 23.1 | | | | | 7.7 | 15.4 | 53.8 | | 13 | 1.8 |
| 62 TO 66 | 2.8 | .9 | .9 | 1.8 | 7.3 | 21.1 | 38.5 | 26.6 | | 109 | 14.8 |
| 57 TO 61 | 4.2 | .3 | 1.2 | 1.2 | 9.5 | 15.4 | 38.3 | 28.8 | 1.2 | 337 | 45.7 |
| 52 TO 56 | 5.9 | .5 | 11.8 | 5.9 | 10.2 | 10.2 | 29.9 | 16.0 | 9.6 | 187 | 25.4 |
| 47 TO 51 | 3.4 | 8.6 | 50.0 | 12.1 | 1.7 | | 8.6 | 6.9 | 8.6 | 58 | 7.9 |
| 42 TO 46 | | 11.5 | 65.4 | 7.7 | 3.8 | | 7.7 | 3.8 | | 26 | 3.5 |
| 37 TO 41 | | 33.3 | 66.7 | | | | | | | 3 | .4 |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 4.5 | 1.8 | 10.3 | 3.5 | 8.3 | 12.9 | 32.2 | 22.9 | 3.7 | 737 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93115

IMPERIAL BEACH, CALIFORNIA

JAN 1973-DEC 1977

APRIL

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | | | | | | | | | | |
| 72 TO 76 | 12.5 | 25.0 | 25.0 | | | | | 37.5 | | 8 | 1.1 |
| 67 TO 71 | | | | | | 8.6 | 51.4 | 40.0 | | 35 | 4.8 |
| 62 TO 66 | 2.3 | | 1.8 | .9 | 1.4 | 17.7 | 40.5 | 34.5 | .9 | 220 | 29.9 |
| 57 TO 61 | 1.9 | 2.9 | 5.4 | 2.2 | 3.1 | 16.2 | 32.4 | 27.9 | 6.0 | 315 | 42.9 |
| 52 TO 56 | 2.1 | 1.4 | 20.5 | 6.2 | 8.2 | 12.3 | 19.2 | 22.6 | 7.5 | 146 | 19.9 |
| 47 TO 51 | | 10.0 | 70.0 | 10.0 | | | | 10.0 | | 10 | 1.4 |
| 42 TO 46 | | | 100.0 | | | | | | | 1 | .1 |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 2.0 | 1.9 | 8.3 | 2.6 | 4.2 | 15.1 | 32.2 | 29.3 | 4.4 | 735 | 100.0 |

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

MAY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | | | | | | | | | | |
| 72 TO 76 | 33.3 | | | | 33.3 | 33.3 | | | | 3 | .4 |
| 67 TO 71 | | | | | 1.0 | 25.2 | 52.4 | 20.4 | 1.0 | 103 | 14.1 |
| 62 TO 66 | .9 | .3 | 1.4 | .3 | 5.1 | 25.9 | 44.4 | 19.4 | 2.3 | 351 | 48.1 |
| 57 TO 61 | 2.3 | 1.5 | 4.2 | 3.1 | 10.7 | 19.5 | 31.3 | 19.8 | 7.6 | 262 | 35.9 |
| 52 TO 56 | 20.0 | | 40.0 | | 20.0 | 10.0 | 10.0 | | | 10 | 1.4 |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 1.6 | .7 | 2.7 | 1.2 | 6.9 | 29.3 | 40.2 | 19.3 | 4.0 | 729 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

JUNE
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | 100.0 | | | | 1 | .1 |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | | | | | 25.0 | 75.0 | | | 8 | 1.1 |
| 72 TO 76 | | | 2.2 | | 10.9 | 21.7 | 54.3 | 6.5 | 4.3 | 46 | 6.3 |
| 67 TO 71 | 2.0 | .4 | 1.2 | .8 | 2.8 | 23.1 | 46.2 | 19.9 | 3.6 | 251 | 34.2 |
| 62 TO 66 | 3.3 | 2.0 | 1.6 | 1.3 | 4.9 | 22.6 | 36.7 | 21.6 | 5.9 | 305 | 41.6 |
| 57 TO 61 | 3.3 | 2.5 | | .8 | 12.4 | 19.8 | 24.0 | 29.8 | 7.4 | 121 | 16.5 |
| 52 TO 56 | | | | | | | | | 100.0 | 1 | .1 |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 2.6 | 1.4 | 1.2 | 1.0 | 9.7 | 22.4 | 39.3 | 21.1 | 5.3 | 793 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

JULY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE* | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|--------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | 100.0 | | | | 4 | .5 |
| 77 TO 81 | | | | | 3.4 | 16.9 | 57.6 | 20.3 | 1.7 | 59 | 8.1 |
| 72 TO 76 | .7 | 2.8 | | | 5.7 | 17.7 | 51.8 | 19.1 | 2.1 | 141 | 19.3 |
| 67 TO 71 | .4 | .4 | | | 6.5 | 20.9 | 44.0 | 22.0 | 5.8 | 277 | 37.9 |
| 62 TO 66 | | .9 | | .4 | 12.4 | 23.5 | 30.1 | 24.3 | 8.4 | 226 | 31.0 |
| 57 TO 61 | 4.5 | | | | 13.6 | 31.8 | 22.7 | 13.6 | 13.6 | 22 | 3.0 |
| 52 TO 56 | | | | | | | 100.0 | | | 1 | .1 |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | .4 | 1.0 | | .1 | 8.1 | 21.0 | 41.9 | 21.8 | 5.8 | 730 | 100.0 |

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

AUGUST
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | 8.3 | | | | 8.3 | 83.3 | | | 12 | 1.6 |
| 72 TO 76 | 1.4 | .5 | | | 1.8 | 14.2 | 45.2 | 34.7 | 2.3 | 219 | 29.2 |
| 67 TO 71 | 2.4 | 1.2 | .9 | 1.5 | 1.8 | 11.6 | 34.2 | 38.7 | 7.7 | 336 | 44.7 |
| 62 TO 66 | 8.9 | 4.2 | 5.4 | 1.2 | 4.8 | 12.5 | 22.6 | 33.3 | 7.1 | 168 | 22.4 |
| 57 TO 61 | 18.8 | 6.3 | 12.5 | 6.3 | 6.3 | 6.3 | 12.5 | 25.0 | 6.3 | 16 | 2.1 |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 3.9 | 1.9 | 1.9 | 1.1 | 2.5 | 12.4 | 35.2 | 35.4 | 5.9 | 791 | 100.0 |

NAVWEASERVCOM

5700-REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

SEPTEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | 100.0 | | | | | | 1 | .1 |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | 100.0 | | | | | | | 1 | .1 |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | 100.0 | | | | | | | | | 1 | .1 |
| 82 TO 86 | 18.2 | | | 9.1 | | 27.3 | 18.2 | 27.3 | | 11 | 1.6 |
| 77 TO 81 | 6.7 | | 6.7 | 3.3 | 6.7 | 3.3 | 56.7 | 16.7 | | 30 | 4.3 |
| 72 TO 76 | 1.6 | | | .5 | 2.1 | 10.7 | 50.8 | 31.0 | 3.2 | 187 | 26.5 |
| 67 TO 71 | 4.5 | 1.5 | 2.3 | .8 | 5.3 | 16.6 | 22.6 | 35.1 | 11.3 | 265 | 37.6 |
| 62 TO 66 | 8.6 | 2.9 | 8.0 | 2.9 | 5.7 | 9.1 | 18.3 | 33.1 | 11.4 | 175 | 24.8 |
| 57 TO 61 | | 6.1 | 12.1 | 9.1 | 15.2 | 21.2 | 6.1 | 3.0 | 27.3 | 33 | 4.7 |
| 52 TO 56 | | | | 100.0 | | | | | | 1 | .1 |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 5.0 | 1.6 | 3.8 | 2.1 | 5.0 | 12.9 | 29.5 | 30.9 | 9.2 | 705 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

OCTOBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | 16.7 | 16.7 | 66.7 | | 0 | .8 |
| 77 TO 81 | 14.3 | | | | | 7.1 | 28.6 | 42.9 | 7.1 | 14 | 1.9 |
| 72 TO 76 | 2.1 | 2.1 | 1.1 | 1.1 | | 12.6 | 36.8 | 43.2 | 1.1 | 95 | 13.2 |
| 67 TO 71 | 3.0 | 1.3 | .8 | .4 | 2.1 | 10.6 | 36.0 | 41.1 | 4.7 | 236 | 32.9 |
| 62 TO 66 | 5.2 | 2.1 | 8.2 | 2.1 | 3.0 | 11.2 | 24.0 | 27.0 | 17.2 | 233 | 32.5 |
| 57 TO 61 | 5.0 | 5.0 | 28.0 | 7.0 | 8.0 | 1.0 | 5.0 | 15.0 | 26.0 | 100 | 13.9 |
| 52 TO 56 | 3.3 | 20.0 | 53.3 | 6.7 | 3.3 | | | 3.3 | 10.0 | 30 | 4.2 |
| 47 TO 51 | | | 100.0 | | | | | | | 4 | .6 |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 4.0 | 2.9 | 9.7 | 2.2 | 2.9 | 9.2 | 25.9 | 31.6 | 11.4 | 718 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

NOVEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | 100.0 | | | | | | | 1 | .1 |
| 92 TO 96 | | | | 100.0 | | | | | | 1 | .1 |
| 87 TO 91 | | | 25.0 | 75.0 | | | | | | 4 | .5 |
| 82 TO 86 | | 11.1 | 11.1 | 11.1 | | | 11.1 | 44.4 | 11.1 | 9 | 1.2 |
| 77 TO 81 | 32.0 | 4.0 | 12.0 | | | 8.0 | 16.0 | 20.0 | 8.0 | 25 | 3.3 |
| 72 TO 76 | 19.5 | | 9.8 | | 2.4 | 9.8 | 26.8 | 29.3 | 2.4 | 41 | 5.5 |
| 67 TO 71 | 3.2 | 4.3 | 3.2 | 1.1 | 1.1 | 23.4 | 38.3 | 23.4 | 2.1 | 94 | 12.5 |
| 62 TO 66 | 4.6 | 2.6 | 9.2 | 3.1 | 4.1 | 18.4 | 21.4 | 31.1 | 5.6 | 196 | 26.1 |
| 57 TO 61 | 5.9 | 4.9 | 14.3 | 3.9 | 7.9 | 9.9 | 20.2 | 17.7 | 15.3 | 203 | 27.0 |
| 52 TO 56 | 3.7 | 12.1 | 36.4 | 4.7 | 4.7 | 5.6 | 9.3 | 11.2 | 12.1 | 107 | 14.2 |
| 47 TO 51 | 2.5 | 12.5 | 35.0 | 22.5 | 2.5 | 2.5 | 7.5 | 2.5 | 12.5 | 40 | 5.3 |
| 42 TO 46 | | 7.7 | 76.9 | 7.7 | 3.8 | | | | 3.8 | 26 | 3.5 |
| 37 TO 41 | | 60.0 | 40.0 | | | | | | | 5 | .7 |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 6.0 | 5.9 | 18.0 | 4.8 | 4.4 | 12.1 | 19.7 | 20.3 | 8.9 | 752 | 100.0 |

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93115

IMPERIAL BEACH, CALIFORNIA

JAN 1973-DEC 1977

DECEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 TO 81 | | | 50.0 | 50.0 | | | | | | 4 | .5 |
| 72 TO 76 | 10.0 | 10.0 | 25.0 | 10.0 | | 15.0 | | 30.0 | | 20 | 2.7 |
| 67 TO 71 | 8.8 | 5.3 | 10.5 | 5.3 | | 17.5 | 24.6 | 24.6 | 3.5 | 57 | 7.7 |
| 62 TO 66 | 7.8 | 1.7 | 17.8 | 1.7 | 7.2 | 12.2 | 18.9 | 23.9 | 8.9 | 180 | 24.4 |
| 57 TO 61 | 5.4 | 2.0 | 11.4 | 3.0 | 5.9 | 14.4 | 25.2 | 18.8 | 13.9 | 202 | 27.4 |
| 52 TO 56 | 4.6 | 6.9 | 25.4 | 6.9 | 7.7 | 6.2 | 12.3 | 10.0 | 20.0 | 130 | 17.6 |
| 47 TO 51 | 2.6 | 9.2 | 30.0 | 6.6 | 3.9 | | | 3.9 | 23.7 | 76 | 10.3 |
| 42 TO 46 | | 26.3 | 63.2 | | 3.5 | | | | 7.0 | 57 | 7.7 |
| 37 TO 41 | | 10.0 | 90.0 | | | | | | | 10 | 1.4 |
| 32 TO 36 | | | 50.0 | | | | | | 50.0 | 2 | .3 |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 5.4 | 6.0 | 25.1 | 4.1 | 5.4 | 9.8 | 15.6 | 15.9 | 12.9 | 738 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93115
STATION

IMPERIAL BEACH, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

ALL
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW & N | NNE & NE | ENE & E | ESE & SE | SSE & S | SSW & SW | WSW & W | WNW & NW | CALM | TOTAL FREQ. | % OF TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | 100.0 | | | | | | 1 | .0 |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | 100.0 | | | | | | | 2 | .0 |
| 92 TO 96 | | | | 100.0 | | | | | | 1 | .0 |
| 87 TO 91 | 16.7 | | 16.7 | 50.0 | | 16.7 | | | | 6 | .1 |
| 82 TO 86 | 9.4 | 3.1 | 6.3 | 6.3 | | 12.5 | 25.0 | 34.4 | 3.1 | 32 | .4 |
| 77 TO 81 | 7.4 | 1.9 | 6.2 | 4.3 | 2.5 | 10.5 | 46.3 | 18.5 | 2.5 | 162 | 1.9 |
| 72 TO 76 | 3.4 | 1.5 | 2.3 | 1.8 | 2.9 | 13.4 | 42.9 | 29.4 | 2.5 | 797 | 9.1 |
| 67 TO 71 | 2.9 | 1.5 | 1.6 | 1.0 | 3.1 | 16.8 | 36.7 | 30.5 | 5.8 | 1716 | 19.6 |
| 62 TO 66 | 4.0 | 1.7 | 5.4 | 1.5 | 5.3 | 18.1 | 30.7 | 27.0 | 6.4 | 2419 | 27.6 |
| 57 TO 61 | 4.6 | 2.6 | 7.7 | 2.8 | 8.4 | 13.8 | 27.5 | 23.7 | 8.9 | 2119 | 24.2 |
| 52 TO 56 | 5.1 | 4.7 | 22.8 | 7.2 | 8.6 | 8.2 | 16.4 | 14.4 | 12.5 | 928 | 10.6 |
| 47 TO 51 | 3.0 | 10.7 | 46.9 | 12.2 | 3.9 | 2.1 | 4.2 | 3.6 | 13.4 | 335 | 3.8 |
| 42 TO 46 | .5 | 18.6 | 66.5 | 4.6 | 2.6 | | 1.0 | .5 | 5.7 | 194 | 2.2 |
| 37 TO 41 | | 26.3 | 65.8 | | | | | | 7.9 | 38 | .4 |
| 32 TO 36 | | 25.0 | 50.0 | | | | | | 25.0 | 4 | .0 |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 3.9 | 3.0 | 10.1 | 3.0 | 5.5 | 14.1 | 29.1 | 24.0 | 7.3 | 8754 | 100.0 |

NAVWEASERVCOM

5709 ~~REQ.~~ REQ. AIR TEMP. VS. WIND DIR. JAN. 68

NWSD, Federal Building
Asheville, N. C.

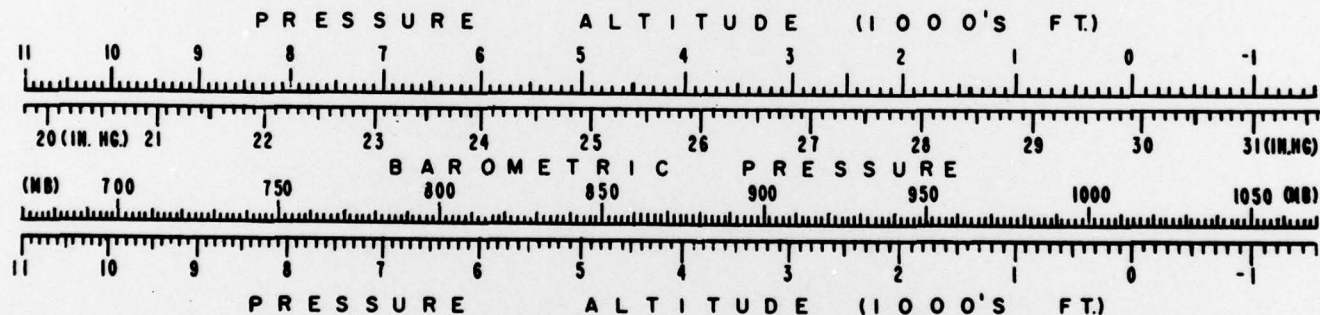
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93115

IMPERIAL BEACH, CALIFORNIA

73-77

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|--------------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | |
| 01 | MEAN | 30.115 | | | 30.037 | 29.910 | | 29.900 | 29.880 | 29.850 | | 30.094 | 30.085 | 30.035 | |
| | S. D. | .135 | | | | | | | | | | .098 | | .121 | |
| | TOTAL OBS | 4 | | | 3 | 2 | | 1 | 1 | 1 | | 5 | 2 | 19 | |
| 04 | MEAN | 30.118 | 30.030 | | 30.050 | 29.890 | | | 29.900 | 29.855 | | 30.080 | 30.090 | 30.033 | |
| | S. D. | .123 | | | | | | | | | | .088 | | .129 | |
| | TOTAL OBS | 5 | 1 | | 1 | 2 | | | 1 | 2 | | 6 | 1 | 19 | |
| 07 | MEAN | 30.066 | 30.071 | 30.006 | 30.005 | 29.955 | 29.911 | 29.930 | 29.921 | 29.913 | 29.974 | 30.026 | 30.067 | 29.987 | |
| | S. D. | .103 | .104 | .104 | .082 | .070 | .067 | .057 | .060 | .071 | .069 | .093 | .092 | .101 | |
| | TOTAL OBS | 152 | 136 | 151 | 147 | 154 | 150 | 154 | 153 | 147 | 152 | 145 | 148 | 1791 | |
| 10 | MEAN | 30.105 | 30.101 | 30.031 | 30.022 | 29.968 | 29.921 | 29.942 | 29.944 | 29.928 | 29.989 | 30.047 | 30.093 | 30.007 | |
| | S. D. | .101 | .101 | .104 | .080 | .071 | .068 | .056 | .059 | .071 | .070 | .095 | .091 | .105 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 13 | MEAN | 30.038 | 30.053 | 29.999 | 30.000 | 29.937 | 29.913 | 29.929 | 29.924 | 29.900 | 29.945 | 29.993 | 30.034 | 29.973 | |
| | S. D. | .097 | .096 | .101 | .076 | .069 | .068 | .055 | .060 | .070 | .069 | .092 | .089 | .094 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 16 | MEAN | 30.026 | 30.030 | 29.969 | 29.975 | 29.934 | 29.889 | 29.898 | 29.873 | 29.870 | 29.920 | 29.977 | 30.020 | 29.955 | |
| | S. D. | .099 | .094 | .098 | .075 | .063 | .067 | .055 | .057 | .066 | .069 | .094 | .087 | .096 | |
| | TOTAL OBS | 152 | 136 | 146 | 140 | 127 | 128 | 118 | 133 | 121 | 125 | 149 | 151 | 1626 | |
| 19 | MEAN | 30.043 | 30.054 | 29.981 | 29.976 | 29.943 | 29.885 | 29.899 | 29.870 | 29.883 | 29.948 | 29.998 | 30.043 | 29.961 | |
| | S. D. | .102 | .087 | .099 | .076 | .066 | .066 | .057 | .057 | .065 | .067 | .085 | .089 | .099 | |
| | TOTAL OBS | 116 | 107 | 123 | 126 | 116 | 118 | 111 | 118 | 112 | 110 | 112 | 110 | 1379 | |
| 22 | MEAN | 30.079 | 30.053 | 30.041 | 30.001 | 29.995 | 29.923 | 29.922 | 29.870 | 29.901 | 29.950 | 30.023 | 30.021 | 29.966 | |
| | S. D. | .115 | .060 | .054 | .055 | .079 | .051 | .044 | .033 | .047 | .037 | .090 | .064 | .086 | |
| | TOTAL OBS | 15 | 10 | 7 | 20 | 20 | 37 | 38 | 33 | 28 | 25 | 37 | 24 | 294 | |
| ALL HOURS | MEAN | 30.057 | 30.062 | 29.999 | 29.997 | 29.953 | 29.906 | 29.922 | 29.917 | 29.900 | 29.958 | 30.010 | 30.031 | 29.978 | |
| | S. D. | .105 | .099 | .103 | .079 | .069 | .068 | .058 | .063 | .071 | .072 | .096 | .093 | .101 | |
| | TOTAL OBS | 756 | 672 | 737 | 735 | 729 | 733 | 730 | 751 | 705 | 718 | 752 | 738 | 8754 | |

NAVWEASERVCOM

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93115 IMPERIAL BEACH, CALIFORNIA

73-77

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|--------------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | |
| 01 | MEAN | 1020.7 | | | 1018.1 | 1013.9 | | 1013.3 | 1012.8 | 1011.6 | | 1020.1 | 1019.7 | 1018.0 | |
| | S. D. | 4.634 | | | | | | | | | | 3.266 | | 4.104 | |
| | TOTAL OBS | 4 | | | 3 | 2 | | 1 | 1 | 1 | | 5 | 2 | 19 | |
| 04 | MEAN | 1020.8 | 1017.9 | | 1018.4 | 1013.2 | | | 1013.3 | 1011.9 | | 1019.5 | 1019.8 | 1017.9 | |
| | S. D. | 4.158 | | | | | | | | | | 2.983 | | 4.339 | |
| | TOTAL OBS | 5 | 1 | | 1 | 2 | | | 1 | 2 | | 6 | 1 | 19 | |
| 07 | MEAN | 1019.1 | 1019.2 | 1017.0 | 1017.0 | 1015.3 | 1013.8 | 1014.4 | 1014.5 | 1013.9 | 1013.9 | 1017.7 | 1019.1 | 1016.4 | |
| | S. D. | 3.499 | 3.503 | 3.512 | 2.751 | 2.353 | 2.241 | 1.923 | 2.014 | 2.390 | 2.319 | 3.154 | 3.111 | 3.399 | |
| | TOTAL OBS | 152 | 136 | 151 | 147 | 154 | 150 | 154 | 155 | 147 | 152 | 145 | 148 | 1791 | |
| 10 | MEAN | 1020.4 | 1020.2 | 1017.9 | 1017.6 | 1015.7 | 1014.1 | 1014.9 | 1014.9 | 1014.4 | 1016.4 | 1018.4 | 1020.0 | 1017.1 | |
| | S. D. | 3.439 | 3.411 | 3.498 | 2.693 | 2.386 | 2.286 | 1.880 | 1.964 | 2.419 | 2.370 | 3.213 | 3.108 | 3.549 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 13 | MEAN | 1018.1 | 1018.6 | 1016.8 | 1016.8 | 1015.3 | 1013.9 | 1014.4 | 1014.2 | 1013.4 | 1014.9 | 1016.6 | 1017.9 | 1015.9 | |
| | S. D. | 3.264 | 3.253 | 3.410 | 2.568 | 2.318 | 2.288 | 1.860 | 2.039 | 2.345 | 2.321 | 3.132 | 3.006 | 3.178 | |
| | TOTAL OBS | 155 | 141 | 155 | 149 | 154 | 150 | 154 | 155 | 147 | 153 | 149 | 151 | 1813 | |
| 16 | MEAN | 1017.7 | 1017.9 | 1015.8 | 1016.0 | 1014.6 | 1013.1 | 1013.4 | 1013.2 | 1012.4 | 1014.4 | 1016.0 | 1017.5 | 1015.3 | |
| | S. D. | 3.366 | 3.164 | 3.307 | 2.524 | 2.107 | 2.228 | 1.869 | 2.014 | 2.241 | 2.345 | 3.176 | 2.939 | 3.261 | |
| | TOTAL OBS | 152 | 136 | 146 | 140 | 127 | 128 | 118 | 123 | 121 | 125 | 149 | 151 | 1626 | |
| 19 | MEAN | 1018.3 | 1018.6 | 1016.2 | 1016.0 | 1014.9 | 1012.9 | 1013.4 | 1013.1 | 1012.8 | 1015.1 | 1016.7 | 1018.2 | 1015.5 | |
| | S. D. | 3.440 | 2.934 | 3.356 | 2.551 | 2.207 | 2.207 | 1.933 | 1.992 | 2.163 | 2.266 | 2.892 | 2.993 | 3.331 | |
| | TOTAL OBS | 116 | 107 | 123 | 126 | 116 | 116 | 111 | 116 | 112 | 110 | 112 | 110 | 1379 | |
| 22 | MEAN | 1019.5 | 1018.6 | 1018.2 | 1016.9 | 1016.6 | 1014.3 | 1014.2 | 1013.1 | 1013.5 | 1015.1 | 1017.6 | 1017.5 | 1015.6 | |
| | S. D. | 3.923 | 2.012 | 1.693 | 1.850 | 2.673 | 1.720 | 1.467 | 1.774 | 1.600 | 1.885 | 3.084 | 2.103 | 2.917 | |
| | TOTAL OBS | 15 | 10 | 7 | 20 | 20 | 37 | 38 | 33 | 28 | 25 | 37 | 24 | 294 | |
| ALL HOURS | MEAN | 1018.8 | 1018.9 | 1016.8 | 1016.7 | 1015.2 | 1013.6 | 1014.2 | 1014.0 | 1013.4 | 1015.4 | 1017.2 | 1018.5 | 1016.1 | |
| | S. D. | 3.544 | 3.341 | 3.477 | 2.662 | 2.334 | 2.274 | 1.950 | 2.116 | 2.395 | 2.416 | 3.239 | 3.132 | 3.400 | |
| | TOTAL OBS | 754 | 672 | 737 | 725 | 729 | 723 | 730 | 751 | 705 | 718 | 752 | 738 | 8754 | |

NAVWEASERVCOM